

BEFORE THE DEPARTMENT OF NATURAL RESOURCES
STATE OF NEBRASKA

IN THE MATTER OF THE PROPOSED RULES)
REGARDING THE DETERMINATION OF)
FULLY APPROPRIATED RIVER BASINS)
PURSUANT TO NEB. REV. STAT. 46-713)
TO BE INCLUDED IN TITLE 457 OF THE)
NEBRASKA ADMINISTRATIVE CODE)

Holiday Inn Convention Center
South 2nd Avenue
Kearney, NE 68847

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Convened, pursuant to notice at 9:00 a.m. on August
11, 2005,

BEFORE:

ANN DIERS, Hearing Officer.

- - -

OTHERS PRESENT:

Roger Patterson, Director; Ann Bleed, Deputy
Director; Tina Kurtz, Integrated Management Planning
Coordinator.

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I N D E XCOMMENTS BY:

_____ Deputy Ann Bleed	4
Dale Wiles	19
Dan Manwarren	26
Erik Alm	28
Don Adams	30
Larry Hutchinson	35
Dave Thom	37
Dave Filsinger	38
Clint Johannes	41
Scott Merritt	43
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Carroll Sheldon	49
Stan Staab	53
Ray Winz	58
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James Paulsen	73
Chad Smith	75
Mike Onnen	79
John Thorburn	81
Tom Schwarz	83
Don Blankenau	85
Ron Bishop	93
Margaret Landis	100

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<u>EXHIBITS:</u>	<u>Marked</u>	<u>Offered</u>	<u>Ruled On</u>	<u>Found</u>
1 Copy of Proposed Rule Title 457, Chapter 24 (8 pages)	1	3	4	Vol. II
2 Proof of Publication Omaha World-Herald (1 page)	1	3	4	Vol. II
3 Pre-Review Checklist (9 pages)	1	3	4	Vol. II

<u>EXHIBITS:</u>	<u>Marked</u>	<u>Offered</u>	<u>Ruled On</u>	<u>Found</u>
4 Letter to The Honorable John Gale Including Working Draft of Proposed Rule (3 pages)	1	3	4	Vol. II
5 Letter to Senator Patrick Engel Including Working Draft of Proposed Rule (3 pages)	1	4	4	Vol. II
6 Draft Report and Draft Proposed Rule dated June 10, 2005. (12 pages)	1	18	18	Vol. II
6-1 Rulemaking Member List (1 page)	1	18	18	Vol. II
6-2 Rulemaking Charge dated December 8, 2004. (1 page)	1	18	18	Vol. II
6-3 Rulemaking Timeline dated December 8, 2004. (1 page)	1	18	18	Vol. II
6-4 Rule 84-927 on Negotiated Rulemaking Committees (5 pages)	1	18	18	Vol. II
6-5 Rulemaking Technical Data Correspondence dated January 7, 2005. (2 pages)	1	18	18	Vol. II

<u>EXHIBITS:</u>	<u>Marked</u>	<u>Offered</u>	<u>Rule On</u>	<u>Found</u>
6-6 Over-Appropriation of Water in Texas and Oregon Supplemental Summary dated November 11, 2004. (4 pages)	1	18	18	Vol. II
6-7 Map of Stream Depletion Lines Middle Niobrara River (3 pages)	1	18	18	Vol. II
6-8 Map of Stream Depletion Lines Republican River (3 pages)	1	18	18	Vol. II
6-9 Negotiated Rule-making Committee Technical Data and Draft Rule Correspondence dated January 13, 2005. (1 page)	1	18	18	Vol. II
6-10 Map of Stream Depletion Lines Platte River (3 pages)	1	18	18	Vol. II
6-11 Map of Stream Depletion Lines Middle Niobrara, Platte, and Republican Rivers (3 pages)	1	18	18	Vol. II
6-12 Negotiated Rule-making Committee Timeline Revised December 8, 2004 (1 page)	1	18	18	Vol. II

<u>EXHIBITS:</u>	<u>Marked</u>	<u>Offered</u>	<u>Rule On</u>	<u>Found</u>
6-13 Stream Depletion Line Comparison Exhibit 13 (1 page)	1	18	18	Vol. II
6-14 Stream Depletion Line Comparison Exhibit 14 (1 page)	1	18	18	Vol. II
6-15 Stream Depletion Line Comparison Exhibit 15 (1 page)	1	18	18	Vol. II
6-16 Stream Depletion Line Comparison Exhibit 16 (1 page)	1	18	18	Vol. II
6-17 Stream Depletion Line Comparison Exhibit 17 (1 page)	1	18	18	Vol. II
6-18 Stream Depletion Line Comparison Exhibit 18 (1 page)	1	18	18	Vol. II
6-19 Stream Depletion Lines Platte River Basin (1 page)	1	18	18	Vol. II
6-20 Stream Depletion Lines Loup, Niobrara, Platte, and Republican River Basins (1 page)	1	18	18	Vol. II
6-21 Stream Depletion Lines Loup River Basin (1 page)	1	18	18	Vol. II

<u>EXHIBITS:</u>	<u>Marked</u>	<u>Offered</u>	<u>Ruled On</u>	<u>Found</u>
6-22 Considerations For Considering Fully Appropriated Areas (1 page)	1	18	18	Vol. II
6-23 Basic Assumptions Used in the Development of Proposed Method (3 pages)	1	18	18	Vol. II
6-24 Proposed Method to Determine Lag Effect (1 page)	1	18	18	Vol. II
6-25 Flow Administration Analysis-Loup and Big Blue River Basins (2 pages)	1	18	18	Vol. II
6-26 Amount of Irrigation Water Required for Sustainable Irrigation (1 page)	1	18	18	Vol. II
6-27 NRM Ideas Correspondence from Dan Smith to Roger Patterson dated February 8, 2005 (2 pages)	1	18	18	Vol. II
6-28 De minimis Examples Correspondence from Brian Barels dated March 4, 2005 (3 pages)	1	18	18	Vol. II
6-29 Chart, Exhibit 29 (1 page)	1	18	18	Vol. II

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6-30 Information Sheet, Exhibit 30 (1 page)	1	18	18	Vol. II
6-31 Memorandum from Don Blankenau dated March 14, 2005 (1 page)	1	18	18	Vol. II
6-32 Negotiated Rule-making Proposal dated March 17, 2005 (1 page)	1	18	18	Vol. II
6-33 History of Drought in Nebraska Article (4 pages)	1	18	18	Vol. II
6-34 Correspondence from Pathfinder Irrigation District dated April 29, 2005 (1 page)	1	18	18	Vol. II
6-35 Correspondence from Central dated May 2, 2005 (1 page)	1	18	18	Vol. II
6-36 Correspondence from Middle Loup Public Power and Irrigation District dated May 2, 2005. (1 page)	1	18	18	Vol. II
6-37 Correspondence from Upper Big Blue NRD dated May 2, 2005 (4 pages)	1	18	18	Vol. II

<u>EXHIBITS:</u>	<u>Marked</u>	<u>Offered</u>	<u>Ruled On</u>	<u>Found</u>
6-38 Email from Duane Hovorka dated May 2, 2005 (1 page)	1	18	18	Vol. II
6-39 Correspondence from Don Blankenau dated May 3, 2005 (4 pages)	1	18	18	Vol. II
6-40 Correspondence from Game and Parks Commission dated May 3, 2005 to Roger Patterson (4 pages)	1	18	18	Vol. II
6-41 Correspondence from Game and Parks Commission dated May 3, 2005 to Ann Diers (1 page)	1	18	18	Vol. II
6-42 Email from Steve Huggenberger to Ann Diers dated May 3, 2005 (1 page)	1	18	18	Vol. II
6-43 Email from Brian Barels to Ann Diers dated May 3, 2005 (4 pages)	1	18	18	Vol. II
6-44 Email from Dennis Schueth to Ann Diers dated May 3, 2005 (3 pages)	1	18	18	Vol. II
6-45 Correspondence from Central Platte NRD dated May 3, 2005. (2 pages)	1	18	18	Vol. II

<u>EXHIBITS:</u>		<u>Marked</u>	<u>Offered</u>	<u>Ruled On</u>	<u>Found</u>
6-46	Correspondence from Middle Republican NRD dated May 3, 2005 (2 pages)	1	18	18	Vol. II
6-47	Email from Jay Rempel to Ann Diers dated May 3, 2005 (4 pages)	1	18	18	Vol. II
6-48	Email from Chad Smith to Ann Diers dated May 3, 2005 (4 pages)	1	18	18	Vol. II
7	Explanation File by Ray Supalla (5 pages)	1	18	18	Vol. II
8	Determination of Consumptive Irrigation Requirement (1 page)	1	18	18	Vol. II
9	Email from Ron Bishop to Ann Diers dated June 20, 2005 (2 pages)	1	18	18	Vol. II
10	Correspondence from Clint Johannes dated June 27, 2005 (3 pages)	1	18	18	Vol. II
11	Correspondence from Gary Hedman dated May 17, 2005 (2 pages)	1	18	18	Vol. II

<u>EXHIBITS:</u>		<u>Marked</u>	<u>Offered</u>	<u>Rule On</u>	<u>Found</u>
12	PowerPoint Presentation by Dr. Supalla (10 pages)	1	18	18	Vol. II
13	Justification for Minimal Irrigation Requirement Definition (5 pages)	1	18	18	Vol. II
14	Evaluation of Simplified Stream-Aquifer Depletion Models for Water Rights Administration (10 pages)	1	18	18	Vol. II
15	Annual Stream Depletion Annual Amount Pumped is 100 AF (1 page)	1	18	18	Vol. II
16	Correspondence from Ronald Klein dated August 6, 2005 (2 pages)	1	18	18	Vol. II
17	Written Comments from Brian Barels dated August 10, 2005 (5 pages)	1	18	18	Vol. II
18	Written Comments from Dennis Strauch dated August 10, 2005 (4 pages)	1	18	18	Vol. II
19	Written Comments from Larry Hutchinson dated August 10, 2005 (2 pages)	1	18	18	Vol. II

<u>EXHIBITS:</u>		<u>Marked</u>	<u>Offered</u>	<u>Ruled On</u>	<u>Found</u>
20	Correspondence from Richard Luckey to Ann Bleed Received August 11, 2005 (2 pages)	1	18	18	Vol. II
21	Written Testimony of Ann Bleed (6 pages)	1	18	18	Vol. II
22	Written Testimony of Dale Wiles (2 pages)	19	22	22	Vol. II
23	Written Testimony of Mike Allen (2 pages)	25	25	25	Vol. II
24	Written Testimony of Eric Alm (1 page)	29	29	29	Vol. II
25	Written Testimony of Don Adams (2 pages)	35	35	35	Vol. II
26	Written Testimony of Duane Filsinger (2 pages)	40	40	40	Vol. II
27	Written Testimony of Clint Johannes (1 page)	43	43	43	Vol. II
28	Written Testimony from Nebraska Corn Growers Association (1 page)	44	44	44	Vol. II
29	Written Testimony of Dave Nelson (3 pages)	44	49	49	Vol. II

<u>EXHIBITS:</u>		<u>Marked</u>	<u>Offered</u>	<u>Ruled On</u>	<u>Found</u>
30	Written Testimony from the Lower Elkhorn NRD (3 pages)	53	58	58	Vol. II
31	Written Testimony of Ray Winz (2 pages)	61	60	61	Vol. II
32	Written Testimony of Don Kraus (4 pages)	61	63	63	Vol. II
33	Written Testimony of Don Batie (2 pages)	63	64	67	Vol. II
34	Written Testimony of Roger Houdersheldt (3 pages)	67	67	73	Vol. II
35	Written Testimony of James Paulsen (2 pages)	75	75	75	Vol. II
36	Written Testimony of Chad Smith (2 pages)	79	79	79	Vol. II
37	Written Testimony of Mike Onnen (1 page)	79	81	81	Vol. II
38	Written Testimony of John Thorburn (1 page)	81	83	83	Vol. II
39	Affidavit of Stephen J. Brooks (5 pages)	85	92	93	Vol. II
40	Written Testimony of Don Blankenau (3 pages)	85	92	93	Vol. II

<u>EXHIBITS:</u>		<u>Marked</u>	<u>Offered</u>	<u>Ruled On</u>	<u>Found</u>
41	Written Testimony of Ron Bishop (3 pages)	93	99	99	Vol. II
42	Written Testimony of Curt Freisen (1 page)	105	105	105	Vol. II
43	Written Testimony of Duane Hovorka (2 pages)	105	105	105	Vol. II
44	Written Testimony from Steve Huggenberger (4 pages)	105	105	105	Vol. II
45	Written Testimony from Eugene T. Glock (1 page)	105	105	105	Vol. II
46	Additional Written Testimony from Michael D. Onnen (1 page)	105	105	105	Vol. II
47	Written Testimony from Robert O'Dell (2 pages)	105	105	105	Vol. II
48	Written Testimony from Pete Letheby (2 pages)	105	105	105	Vol. II
49	Additional Written Testimony from Richard Luckey (2 pages)	105	105	105	Vol. II
50	Additional Written Testimony from Erik Alm (3 pages)	105	105	105	Vol. II

REPORTER'S CERTIFICATE:

STATE OF NEBRASKA)
) ss:
LANCASTER COUNTY)

I, KELLY S. HORSLEY, certified reporter for ACE Reporting, NE, certify that I reported the proceedings in this matter; that the transcript of testimony is a true, accurate and complete extension of the recording made of those proceedings; and further, that the disposition of the exhibits is referenced in the index hereto.

IN TESTIMONY WHEREOF, I have hereunto set my hand at Lincoln, Nebraska, this _____ day of August, 2005.

Kelly S. Horsley, CERT-ER

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1 PROCEEDINGS:

2 (Marked Exhibits 1-9 for identification.)

3 THE HEARING OFFICER: We'll go on the record
4 now. Good morning. My name is Ann Diers. I'm legal
5 counsel for the Nebraska Department of Natural Resources,
6 and I will be the hearing officer at this morning's
7 hearing. With me today are Roger Patterson, the director
8 of the Department of Natural Resources; Ann Bleed, Deputy
9 Director of the Department of Natural Resources, and Tina
10 Kurtz, Integrated Management Planning Coordinator. Kelly
11 Horsley is the court reporter who will be making a
12 verbatim record of this hearing.

13 This is a public hearing, and not an
14 evidentiary hearing. Those testifying will not be
15 required to be sworn in. If you haven't signed the sign
16 in sheet recording your presence at the hearing, I would
17 request that you do so. Those sheets, I believe, are in
18 the back of the room. We have a separate sign-in sheet
19 identifying those persons wishing to testify. You may
20 testify even if you have not previously signed the
21 testimony sign-in sheet. Also, as noted in the notice of
22 this hearing, testimony may either be oral or written.
23 Written testimony will also be accepted at this hearing,
24 and should be submitted to the court reporter.

25 The purpose of this hearing is to take

1 testimony and evidence about amendment of Title 457
2 entitled, "Rules for Surface Water," to include a new
3 Chapter 24 regarding, "Rules Regarding the Determination
4 of Fully Appropriated River Basins," pursuant to Nebraska
5 Revised Statute, Section 46-713, which required the
6 Department of Natural Resources to adopt and promulgate
7 rules and regulations specifying the types of scientific
8 data and other information that will be considered for
9 making the preliminary determination as to whether a
10 river basin, sub-basin or reach presently is fully
11 appropriated without the initiation of additional uses.
12 These rules also establish, pursuant to Nebraska Revised
13 Statute, Section 46-748, the criteria the Department will
14 use for making the determination of fully appropriated,
15 and the determination of the geographic area within which
16 surface water and ground water are hydrologically
17 connected.

18 The Department established the Negotiated
19 Rulemaking Committee relating to these proposed rules
20 pursuant to petition. The Committee reached a consensus
21 on the required proposed rule relating to the types of
22 scientific data, and other information that will be
23 considered for making the preliminary determination as to
24 whether a river basin, sub-basin, or reach presently is
25 fully appropriated without the initiation of additional

1 uses. The committee did not reach a consensus on the
2 proposed rule pertaining to the criteria the Department
3 will use for making the determination of fully
4 appropriated, and the determination of the geographic
5 area within which surface water and ground water are
6 hydrologically connected.

7 I would like to submit into the record, a copy
8 of the proposed rule, to be codified as Title 457 of the
9 Nebraska Administrative Code, Chapter 24, titled,
10 "Determination of Fully Appropriated Basins, Sub-Basins
11 or Reaches." This is marked as Exhibit 1.

12 I would also like to submit the Proof of
13 Publication pursuant to Nebraska Revised Statute, Section
14 84-907, stating that the publication of the Department of
15 Natural Resources public hearing notice occurred on July
16 11th, 2005, in the Omaha World-Herald. This is marked as
17 Exhibit 2.

18 Further, I offer the Department's submission of
19 the Rules and Regulations Policy Pre-Review Checklist to
20 the Governor's Policy Research Office, which submission
21 was hand-delivered on June 23rd, 2005, together with the
22 Policy Research Office Approval to Proceed, dated June
23 28th. This exhibit is marked as Exhibit 3.

24 I also offer into the record, a copy of the
25 Department's letter of July 8th, 2005, addressed to the

1 Honorable John Gale, Nebraska Secretary of State, which
2 was forwarded along with one copy of a working draft of
3 the proposed rule. This letter was hand-delivered to the
4 Secretary of State's Office on July 8th, 2005, and is
5 marked as Exhibit 4.

6 I also offer a copy of the Department's letter
7 of July 8th, 2005, addressed to Senator Patrick Engel,
8 Chairman of the Executive Board of the Legislative
9 Counsel, which was forwarded along with one copy of a
10 working draft of the proposed rule. This letter was
11 hand-delivered to Senator Engel's office on July 8th,
12 2005, and is marked as Exhibit 5.

13 Exhibits 1 through 5 will be received into the
14 record for this hearing.

15 At this time, I would ask Deputy Director Bleed
16 to proceed for the Department of Natural Resources.

17 MS. BLEED: Thank you. My name is Ann Bleed.
18 I'm Deputy Director of the Department of Natural
19 Resources. The purpose of the Committee was to develop a
20 report and/or proposed rule relating to the types of
21 scientific data and other information that will be
22 considered for making the preliminary determinations
23 required to prepare a report pursuant to Nebraska Revised
24 Statute 46-713(d). The Committee was also charged with
25 developing the criteria that will be used for making the

1 required preliminary determinations of whether a river
2 basin, sub-basin or reach is fully appropriated without
3 the initiation of additional uses, and the geographic
4 area within which the Department considers surface water
5 and ground water to be hydrologically connected for the
6 purposes of any such determination, pursuant to the
7 evaluations and reports that the Department must complete
8 by January 1 of each year, beginning in 2006, required by
9 Section 46-713 of the Nebraska Revised Statutes.

10 The Committee met a total of seven times.
11 Following its initial meeting in December, subsequent
12 meetings of the Committee reviewed information relating
13 to levels of interference and degrees of hydrologic
14 connectivity, and considered whether such information
15 could be utilized to arrive at the formulation of a
16 possible rule. Dr. Raymond J. Supalla, an agricultural
17 economist and professor, and assistant dean in the
18 College of Technical Agriculture, provided to the
19 Committee a method for doing an economic analysis of the
20 amount of water that would be needed for the irrigation
21 of crops in order to make their investment in irrigation
22 economically beneficial. Jeff Shafer and James Cannia,
23 both from the Department, provided examples of an
24 analysis that could be used to determine the amount of
25 flow expected to be available without further development

1 in a river basin. Shafer and Cannia also provided maps
2 for comparison purposes showing various degrees of
3 connectivity of ground water to streams in certain river
4 basins in the state.

5 During the last few meetings of the Committee,
6 the group considered at length various draft rules
7 proposed by groups of Committee members and the
8 Departments. These meetings included considerable
9 discussion of the various proposals regarding the types
10 of scientific data and other information that will be
11 considered for making the preliminary determination
12 pursuant to Nebraska Revised Statutes 46-713(d), and the
13 criteria that will be used for making preliminary
14 determinations of whether a river basin, sub-basin or
15 reach is fully appropriated without the initiation of
16 additional uses; and the geographic area within which the
17 Department considers surface water and ground water to be
18 hydrologically connected for the purposes of any such
19 determination.

20 A draft report was circulated to the Committee
21 prior to finalization. Committee members were also
22 provided an opportunity to include additional
23 information, recommendations, or additional materials as
24 an addendum to the report.

25 The Department received comments from 13 of the

1 17 members of the negotiated Rulemaking Committee. The
2 director reviewed the comments, and made revisions to the
3 draft report based on some of the comments received. The
4 Exhibits to the draft report include copies of the
5 written comments received from the members of the
6 Negotiated Rulemaking Committee, as well as copies of the
7 materials considered by the Negotiated Rulemaking
8 Committee during its meetings. I offer the draft report
9 marked as Exhibit 6, which includes Exhibits to the
10 report, into the record.

11 Based on the discussions of the Negotiated
12 Rules committee, the comments on the report, and further
13 discussions with Dr. Raymond Supalla and Dr. Derrel
14 Martin, and agricultural engineer in the Department of
15 Biological Systems Engineering at the University of
16 Nebraska, the Director made further revisions to the
17 proposed rules.

18 No one on the Committee expressed disagreement
19 on Section 002 of the proposed rule that states that the
20 types of scientific data and other information to be
21 considered for making preliminary determinations shall
22 include surface water administrative records, Department
23 hydrographic reports, Department and USGS stream gage
24 records, Department registered well database, water level
25 records and maps from the Natural Resources District, the

1 Department, the University of Nebraska, United States
2 Geologic Survey and other publications subject to peer
3 review; technical hydro-geological reports from the
4 University of Nebraska, the USGS, or other publications
5 subject to peer review; ground water models, current
6 rules and regulations of the Natural Resources Districts,
7 and best scientific information and tools available to
8 the Department to identify impacts of hydrologically
9 connected uses to the basin, sub-basin or reach being
10 considered.

11 There was not a unanimous consensus on the
12 second part of the rule: the criteria that will be used
13 for making the required preliminary determinations of
14 whether a river basin, sub-basin or reach is fully
15 appropriated without the initiation of additional uses,
16 and the geographic area within which the Department
17 considers surface water and ground water to be
18 hydrologically connected for purposes of any such
19 determination, for the evaluations and reports the
20 Department must complete by January 1 of each year,
21 beginning in 2006.

22 Whether a river basin, sub-basin or reach is
23 fully appropriated without the initiation of additional
24 uses. As stated, the proposed rule states, "For purposes
25 of Section 46-713(3)(a), the surface water supply for a

1 river basin, sub-basin or reach shall be deemed
2 insufficient if after considering the impact of the lag
3 effect from the existing ground water pumping in the
4 hydrologically connected areas that will deplete the
5 water supply within the next 25 years, it is projected
6 that during the period of May 1 through September 30,
7 inclusive, any irrigation right will be unable to divert
8 sufficient surface water to meet, on average, 85 percent
9 of the annual crop irrigation requirement; or during the
10 period of July 1 through August 31, inclusive, will be
11 unable to divert sufficient surface water to meet at least
12 65 percent of the annual crop irrigation requirement. For
13 the purposes of this rule, the quote, 'annual crop
14 irrigation requirement,' unquote, will be determined by
15 the annual irrigation requirement for corn. This
16 requirement is based on the average evapotranspiration of
17 corn that is fully watered to achieve the maximum yield
18 and average amount of precipitation that is effective in
19 meeting the crop water requirements for the area."

20 These crop irrigation criteria were based on
21 Supalla's economic analysis of how much irrigation water
22 would be needed to justify investment in an irrigation
23 system for a 130 acre field. I offer Supalla's economic
24 analysis spreadsheet marked as Exhibit 7 into the record.
25 This criteria was chosen because most junior water rights

1 in the state offer irrigation, and the predominant crop
2 grown is corn. The crop irrigation requirement for corn,
3 which varies greatly across the state, will be determined
4 by Derrel Martin, and will be available on the
5 Department's web site. I offer Martin's economic
6 analysis spreadsheet marked as Exhibit 8, into the
7 record, on his evaluation for the corn -- or his
8 methodology for evaluating corn. In the event that the
9 junior water rights are not irrigation rights, the
10 Department will utilize the standard of interference
11 appropriate for the use, taking into account the purpose
12 for which the appropriation was granted.

13 Several Committee members argued that the
14 criterion should not be based on economic analysis of
15 current day conditions, but should consider whether the
16 water right being considered was able to divert the
17 amount of water expected to be available at the time the
18 permit was granted. The Department determined that the
19 economic analysis based on current day conditions could
20 result in more reliable data than speculating on previous
21 expectations, and was more appropriate for making the
22 determination of which basins were currently fully
23 appropriated.

24 In determining whether a river basin, sub-basin
25 or reach is fully appropriated without the initiation of

1 additional uses, the Department will first determine the
2 percentage of time over the previous twenty years that
3 surface water appropriators located within the basin,
4 sub-basin or reach were able to divert. The
5 determination will be based on the water administration
6 records of the Department that delineate which water
7 rights were shut off because of insufficient stream flow.
8 In so doing, it will be assumed that if a surface water
9 diverter was not shut off, they would be able to divert
10 at their permitted rate. The most recent twenty-year
11 period was chosen to reflect the most recent development
12 in the basin and a sufficient number of years to include
13 both wet and dry weather patterns.

14 The depletions to stream flow from the future
15 lag effect of existing ground water wells over the next
16 25 years will be determined, and the above determination
17 of the ability to divert will be adjusted accordingly.
18 The determination of the lag effects from existing wells
19 will be based on ground water models using MODFLOW or
20 other suitable model codes where such models exist, and
21 in the absence of a suitable ground water model, the
22 Jenkins method. The Committee did not agree on the
23 length of time period that should be used when
24 calculating the lag impact of ground water pumping on
25 stream flow. Periods ranging from ten years to fifty

1 years were suggested. The Department determined that a
2 period of 25 years would reflect a reasonable ability to
3 estimate depletions, given the current state of our
4 knowledge, and a reasonable planning horizon.

5 In addition, the Committee did not reach a
6 consensus that these were the only factors that should be
7 considered. Other factors were suggested, however none
8 of these suggestions indicated any methods that could be
9 used to include these factors.

10 Considering the geographic area within which
11 the Department considers surface water and ground water
12 to be hydrologically connected for the purposes of any
13 determination. There was no unanimous consensus on the
14 Committee. However, there was a general consensus that
15 the geographic area within which the Department considers
16 surface water and ground water to be hydrologically
17 connected for the purposes of any such determination
18 should be based on an assessment of the amount of time
19 that it would take for depletions from a well a certain
20 distance from the stream to cause a depletion to the
21 stream equal to a certain percentage of the amount of
22 water pumped by the well over the same period. Any well
23 within the boundary produced by this assessment would be
24 considered hydrologically connected to the stream.

1 The Department proposed that this boundary be
2 determined using the best ground water models available
3 for the area. Where no valid ground water model existed,
4 the determination would be based on the Jenkins method.
5 The Jenkins method is the best sound-science approach
6 currently available for use when the robust data sets
7 needed to develop a valid ground water model are absent.
8 This method has a long history of use for similar water
9 administration purposes in other states.

10 Several Committee members questioned the
11 accuracy of the Jenkins method for determining
12 hydrological connectivity. A 1995 paper by Sophocleous,
13 Koussis, Martin and Perkins was cited as stating that the
14 method was unreliable. Sophocleous' paper compared the
15 predictive capabilities of the Glover analytical model,
16 the model from which the Jenkin's method was derived,
17 against the reliable numerical standard offered by
18 MODFLOW for a well 80 meters from a stream pumping for
19 120 days under increasingly complex conditions. This
20 paper concluded that for a well this close to a stream
21 and pumping for this short a time period, the range of
22 discrepancy between the analytical solution and MODFLOW
23 becomes magnified, and that the analytical Jenkins method
24 consistently overestimated stream depletions, this
25 resulting in more conservative decisions. However, the

1 results of this evaluation for a well this close to a
2 stream and pumping for this short time frame, have little
3 validity for an analysis of a well several miles from a
4 river and pumping for several decades. In such cases,
5 the impact of major factors of concern are considerably
6 less. Dick Luckey from the U.S. Geological Survey
7 examined Sophocleous' paper and determined Sophocleous'
8 use of constant head lateral boundaries was a major
9 reason that there were differences between the analytical
10 and numerical models. When the boundaries were changed,
11 the differences were within two percent. Luckey
12 concluded that analytical solutions can be used to
13 estimate stream depletions and estimates made close to
14 the stream and in early times are more likely to be in
15 error than estimates made further from the stream and at
16 later times. Thus, when used on a regional scale, and
17 over longer periods of time, the factors that cause the
18 errors cited in the paper have much less impact.

19 During the course of the Committee's meetings,
20 the Department was requested to and did provide sample
21 maps using readily available information on hydraulic
22 conductivities and storativity and applying the Jenkins
23 method. These maps depicted the range of possible
24 geographic location of the stream depletions line for a
25 large number of tolerances ranging from .01 percent in a

1 hundred years, to 5 percent in -- or, let's see, 25
2 percent in 50 years. The Department suggested that the
3 geographic area within which surface water and ground
4 water should be considered hydrologically connected
5 should be the areas within which pumping a well for 50
6 years will deplete the river or a base flow tributary
7 thereof by at least ten percent of the amount pumped in
8 that time. There was no consensus on the percentages and
9 time period for this criterion. A number of Committee
10 members argued that the extent of connectivity should be
11 at the 28 percent/40 year line, whereas others strongly
12 promoted a level of connectivity closer to one percent to
13 five percent in 100 years. Those arguing for the 28
14 percent/40 year line did so in part based on the fact the
15 28 percent/40 year line was used for the designation of
16 the over-appropriated areas in the Platte River Basin and
17 is being used in the Platte River Cooperative Agreement.
18 However, in both of these instances, the intent of the
19 line was for other purposes. It was not intended to
20 define the level of hydrologic connectivity.

21 In choosing the ten percent/50 year criterion,
22 the Department tried to delineate a line beyond which the
23 depletive effects of wells would have a de minimis impact
24 on stream flows within the 25 year planning horizon. In
25 discussions with Committee members and others, the

1 concern we raised that because the ten percent/50year
2 delineation would cause management areas to extend across
3 Natural Resources District's boundaries, it would be very
4 difficult to implement a management plan. This problem
5 occurs because ground water aquifer divides do not
6 coincide with the administrative boundaries of the
7 Natural Resources Districts, and wells pumping in one
8 Natural Resources District can affect stream flow in
9 another Natural Resources District. This problem was
10 anticipated by the legislature, and hence the statutes in
11 Section 46-703(4) state, "The Legislature recognizes that
12 ground water use or surface water use in one Natural
13 Resources District may have adverse affects on water
14 supplies in another district or in an adjoining state.
15 The Legislature intends and expects that each Natural
16 Resources District within which water use is causing
17 external impacts will accept responsibility for ground
18 water management in accordance with the Nebraska Ground
19 Water Management and Protection Act in the same manner
20 and to the same extent as if the impacts were contained
21 within that district. In such cases it is the
22 expectation of the Department that a single plan for the
23 area that will accomplish the required goals of the
24 statutes will be developed jointly by the Department and
25 the affected Natural Resources Districts, and that the

1 plan will be implemented by the Natural Resource District
2 that has jurisdiction over the land involved."

3 At this time, I would like to offer the
4 following additional exhibits into the record.

5 Correspondence in opposition to a Department
6 rule, which would utilize a ten percent/50 year
7 delineation as follows:

8 Exhibit 9, copy of the Nebraska Association of
9 Resources District Resolution dated June 20th, 2005,
10 received via email from Ron Bishop, manager of the
11 Central Platte Natural Resources District.

12 Exhibit 10, a letter from the Nebraska Electric
13 Generation and Transmission Cooperative, Inc., dated June
14 27th, 2005, and resolution dated June 24th, 2005.

15 Exhibit 11, a letter from the Southern Power
16 District dated May 17th, 2005, and resolution dated May
17 11th, 2005.

18 Exhibit 12, a PowerPoint by Dr. Ray Supalla
19 presented to the negotiating rule committee.

20 Exhibit 13, Justification for Minimal
21 Irrigation Requirement Definition by Dr. Ray Supalla.

22 Exhibit 14, the paper by Sophocleous, et al,
23 previously cited in my testimony.

24 Exhibit 15, a graph depicting the stream
25 depletion lines over time.

1 Exhibit 16, letter of testimony from Ron Klein.

2 Exhibit 17, a letter of testimony from Brian
3 Barels.

4 Exhibit 18, written testimony by Dennis
5 Strauch.

6 Exhibit 19, written testimony by Rex Amack of
7 the Nebraska Game and Parks Commission.

8 And Exhibit 20, correspondence from Richard
9 Luckey of the US Geological Survey.

10 So at this time, I'd like to offer into the
11 record, Exhibits 6 through 21.

12 Oh, I'm sorry, I forgot to mention Exhibit 21,
13 which is the written testimony of the Department.

14 THE HEARING OFFICER: Exhibits 6 through 21
15 will be received into the record at this time.

16 (Exhibits 6 through 21 were received in
17 evidence. See Index.)

18 Okay, at this time, I'd like to invite the
19 persons who signed the testimony sheet to provide
20 testimony. In order to give everyone who wishes to
21 testify an opportunity to do so, I would ask that each
22 person limit their testimony to five minutes. You may
23 ask for additional time prior to testifying if you need
24 it. However, if your additional testimony appears to be
25 repetitive, we will ask that you wrap up your testimony.

1 I would ask that those who may need more than five
2 minutes time for testimony to testify after those whose
3 testimony will be five minutes or less.

4 The first person I have listed is Dale Wiles.
5 I would note that if you've signed the testimony and
6 don't wish to testify, that's all right too, just let me
7 know.

8 Will you be offering your written testimony as
9 an exhibit then?

10 MR. WILES: Yes.

11 (Marked Exhibit 22 for identification.)

12 The testimony -- My first testimony will be for
13 the Upper Elkhorn Natural Resources District. Good
14 morning, my name is Dale Wiles, and I'm testifying on
15 behalf of the Upper Elkhorn NRD. I am currently the
16 chairman of the Upper Elkhorn NRD Water Resources and
17 Watershed Committee. I appreciate the opportunity to
18 testify on the rules and regulations that have been
19 presented today, because it involves one of Nebraska's
20 greatest resources, water.

21 Having attended various meetings held by the
22 Water Task Force, and Negotiated Rulemaking Committee, it
23 is evident that the members have struggled on making some
24 important decisions or coming to a consensus. A couple
25 of the decisions that consensus could not be reached by

1 the Negotiated Rulemaking Committee was the 10/50
2 boundary, and the 85 percent and 65 percent annual
3 surface water diversion for crop irrigation requirements
4 that have been proposed by DNR today.

5 The Upper Elkhorn NRD passed a resolution in
6 our June board meeting to oppose the 10/50 line, and
7 support the 28/40. The Upper Elkhorn NRD's actions
8 support the position that NARD has taken on this issue.
9 The Upper Elkhorn NRD does not agree with how the
10 proposed 10/50 standard line has been determined to be
11 the best standard for hydrologically interconnected --
12 connection between ground and surface water. Various
13 proposals for this standard have been discussed, and none
14 of them have truly had any technical merit of why one
15 should be supported over the other. The standard that
16 most people became aware of was the 28/40. The 28/40 line
17 has been used in determining areas of the state that have
18 been determined over-appropriated. The hydrologic area
19 impacted by the 10/50 line seems to be more stringent for
20 fully-appropriated than it was for the over-appropriated.

21 Maps have been developed to illustrate various
22 standards that have been considered and how they could
23 possibly impact water basins in Nebraska. Many of those
24 standards went outside of the NRD boundary lines, and
25 into other water river basins. NRD's are proud of how

1 they have worked together over the years to address
2 various environmental issues; however, there probably has
3 not been a regulation in the past that has been -- has
4 had more impact on adjoining NRDS than this proposed
5 standard. If and when the Elkhorn River basin is
6 determined to be fully-appropriated, it will be a
7 difficult task to convince residents within our own basin
8 that they are fully-appropriated, and even more difficult
9 to convince residents outside our NRD boundary line that
10 they are included into a designation to understand they
11 have an impact on one or several river basins. Keeping
12 the standard at 28/40, or to the NRD boundary lines would
13 probably be more acceptable to the general public. It
14 would seem that the administration and development of the
15 Integrated Management Plans by NRD and DNR would also be
16 easier to designate areas that would be kept within the
17 NRD boundary lines.

18 Stream flow availability and lag effects are
19 important issues that need strong consideration for
20 further studies and understanding. Prior to the basin
21 being labeled fully-appropriated, we feel it is important
22 that DNR review past stream flows and potential effects
23 from ground water pumping to see if they mirror what is
24 happening today in the streams. Regarding stream flow
25 availability, what were surface water appropriators

1 guaranteed when their surface water rights were
2 appropriated? Before giving those rights, what kind of
3 assessment was performed by DNR to determine historically
4 the water was there? Does the standard that is being
5 proposed in the proposed rules and regulations today
6 follow those guidelines when the surface water right was
7 granted? Projecting lag effects from ground water
8 pumping also appears to be difficult to determine with
9 some limited geology and hydrological information in some
10 basins. We strongly encourage the DNR to consider these
11 questions and comments.

12 On behalf of the Upper Elkhorn NRD, we want to
13 thank DNR for holding these hearings, and consider our
14 comments.

15 THE HEARING OFFICER: And you are offering that
16 testimony into the record?

17 MR. WILES: Yes, I am.

18 THE HEARING OFFICER: Exhibit 22 will be
19 received into the record.

20 (Exhibit 22 was received in evidence. See
21 Index.)

22 MR. WILES: The second testimony that I am
23 going to have is going to be a letter from Mike Allen,
24 and this was also to be -- Mike is unable to be here, and
25 I have indicated that I would read this for him. He is

1 also testifying on behalf of the Nebraska Well Drillers
2 Association.

3 "I am testifying both and on behalf of the
4 Nebraska Well Drillers Association. We share a common
5 interest in working with the state agencies, legislature,
6 and other stakeholders in formulating a public policy to
7 protect the waters of Nebraska and promote beneficial use
8 to this resource based on sound science and local
9 control. The Nebraska Well Drillers Association serves
10 as a valuable resource to provide technical information
11 on the aquifers of this state. I have been serving for
12 the past six years as the manufacturer's representative
13 to the Water Well Standards and Contractor's Licensing
14 Board. I also serve on the Nebraska Water Resources
15 Association Board of Directors, the Technical Advisory
16 Committee to the Ground Water Foundation, and I am on the
17 steering committee for the Nebraska Policy Institute's
18 study on the Economic Importance of Irrigated Agriculture
19 to Nebraska's Economy. Most recently I served
20 representing the Nebraska Well Drillers Association on
21 the Negotiated Rulemaking Committee for LB962.

22 Having participated in the rulemaking process,
23 we are not as concerned with the rules itself, as the
24 applications of the rules and the information that will
25 be used to support it. There are certain aspects of the

1 proposed rules and the Nebraska Well Drillers Association
2 and I do not agree with. Such as using over-simplified
3 models abandoning the current 28 in 40 year depletion
4 line that has been the standard for policy decision-
5 making over the last ten years. However, we realize that
6 this effort is a compromise, and we do not live in a
7 perfect world so that some reliance and generalization of
8 models will have to be done. Our primary concern is too
9 much reliance will be placed on general information, not
10 necessarily science. That does not accurately reflect
11 the true relationship between the surface water and
12 ground waters that make up Nebraska's hydrological
13 climate. Therefore, we take exception to any
14 interference criteria as it relates to both impacts and
15 future lag effect impacts unless methods used to arrive
16 at these determinations are calibrated and validated
17 against historical stream flows and other data.

18 Further, we take exception to the rules and
19 consequences resulting from the rules and regulations
20 that adversely affect the property rights and freedoms of
21 citizens of this state without reasonable scientific
22 proof beyond speculative assumptions generated by
23 excessive reliance on modeling techniques. Again, the
24 criteria used for decision-making must be validated with
25 historical information. The social, environmental, and

1 economic importance of this resource is simply too
2 important to jeopardize it by convenient political
3 solutions. Contrary to environmental political correct
4 idealisms of today, that it is better to deny any further
5 access to mitigate any damages that may have or be
6 occurring, it is no less important to consider the
7 environmental (sic) importance of the resources of the
8 people of Nebraska.

9 Nebraska Well Drillers Association will support
10 rules to protect the waters of Nebraska, while
11 guaranteeing beneficial access to this resource, as long
12 as these same rules are supported by science that can be
13 verified by empirical data. Thank you."

14 THE HEARING OFFICER: Will you be offering that
15 into the record?

16 MR. WILES: It's a pretty rough draft, but I
17 will offer it. Yes, I am. I'm sorry, yes.

18 THE HEARING OFFICER: It will be marked as
19 Exhibit 23, and it will be received into the record.

20 (Exhibit 23 was marked and received in
21 evidence. See Index.)

22 UNIDENTIFIED VOICE: What was the name of the
23 person for whom you were testifying, Mr. Wiles?

24 MR. WILES: Mike Allen.

25 UNIDENTIFIED VOICE: Thank you.

1 THE HEARING OFFICER: And just as a reminder,
2 as people come forward to testify, I'd like you to be
3 sure and spell your first and last names so our court
4 reporter can get that accurately in the record, as well
5 as idenfying who, if anyone, you're speaking on behalf
6 of.

7 The next person I have listed on the testimony
8 sign-in sheet is, I believe it's Dan Manwarren.

9 MR. MANWARREN: I'm testifying on behalf of
10 myself. And my background is in irrigation from 1971 in
11 two states, Kansas and Nebraska.

12 THE REPORTER: Can you spell your name for me,
13 please?

14 MR. MANWARREN: Dan, D-a-n Manwarren, M-a-n-w-
15 a-r-r-e-n.

16 THE REPORTER: Thank you.

17 MR. MANWARREN: Okay. And I am not testifying
18 about any specific rule that is being proposed, I'm just
19 testifying more on basic philosophy behind these rules.
20 I have two points.

21 My first one being that because -- and I'm
22 basically speaking to ground water because I have very
23 little knowledge of surface water. But concerning ground
24 water, the aquifers under this state are buried
25 considerably, both in the yield and even within local

1 areas the availability of the water to the aquifer.
2 Therefore, I think that all of the administration of the
3 rules should be handled by the local ground water
4 management districts and not by the State. I think the
5 State has an obligation to determine where there are
6 problems, but I think that it's up to the local districts
7 to administer these problems, and to take care of them.

8 My second point is that I see the State of
9 Nebraska on the ground water use and ground water rules
10 inching further and further toward the first in time,
11 first in right water regulation as in many other states.
12 And what this gets down to is that it's the first hog at
13 the trough gets the water. The rules that have been
14 proposed that -- excuse me -- that are judging the over-
15 appropriated and the fully-appropriated use of denying
16 permits arbitrarily in this area that is determined to be
17 fully appropriated is strictly a first in time, first in
18 right situation. The State has no business in
19 determining the values of land, and that's exactly what
20 this does. It also does not address the problem. It
21 does not take care of the problem. The only thing that
22 will take care of the problem is to reduce the amount of
23 water that is being appropriated or being used, the
24 amount of water being used in the area that is over-
25 appropriated. And that can only be done by reducing the

1 amount of withdrawals, not by limiting any additional
2 withdrawal. That is the easy way out. To deny permits
3 is just an easy way to -- for -- administratively say
4 that they're doing something, and they're not having any
5 additional use or any additional withdrawal of the water.
6 The only way to do this and to do it fairly is to treat
7 everyone fairly. And if we have to reduce our use by ten
8 percent in a local area, then it should fall equally upon
9 all users in that area. It should not be on this basis
10 of denying new permits. I'm very much opposed to that.

11 Another thing that really irritates me, I mean,
12 it brings my hackles up, is when you start talking about
13 junior rights. There should be no such thing as junior
14 rights. Everyone should have equal access to it. That's
15 my testimony. Thank you.

16 THE HEARING OFFICER: Thank you. The next
17 person I have listed, I believe it's Evan Alm? Oh, I'm
18 sorry, Erik Alm. Sorry about that.

19 MR. ALM: I've been called worse. Director
20 Patterson, Deputy Director Bleed, my name is Erik,
21 E-r-i-k Alm, A-l-m. I'm a director of Lower Platte North
22 NRD. I chair the water committee. Our district proposed
23 three changes to your proposed rules and regulations by
24 motion with unanimous vote. Our board wishes to go on
25 record opposing the portion of the proposed rules and

1 regulations which would set the standard at ten percent
2 depletion over a 50 year time span. In history in
3 Nebraska the settlement of interstate compacts have never
4 used anything except the standard of 28 depletion over 40
5 years. We do not wish to change the rules in the middle
6 of the game, especially without a good reason.

7 Second, we feel the boundary lines should stop
8 at the NRD boundaries when both NRDs are declared fully
9 or over-appropriated there is little incentive for an NRD
10 to enforce regulations from another district. We will do
11 our job if reasonable rules are governed for us.

12 Third, we propose that integrated management
13 plans be designed to protect surface water rights, which
14 exist 90 percent of the time. In the case of the Lower
15 Plate River instream flow right the cubic feet per second
16 rate was set at 20 percent of the historical season
17 flows. We find it unfair to ask us to protect to a level
18 which is only present once out of every five years.

19 Respectfully submitted, Erik Alm, Director,
20 Lower Platte North.

21 THE HEARING OFFICER: Would you like to put
22 your written testimony into the record?

23 MR. ALM: Yes, ma'am, I would.

24 (Exhibit 24 was marked for identification and
25 received in evidence. See Index.)

1 The next person I have listed to testify is
2 Marlin Rupel (sic) or Rempel. I'm sorry about --

3 MR. REMPEL: I will bypass.

4 THE HEARING OFFICER: You will bypass?

5 MR. REMPEL: Yes.

6 THE HEARING OFFICER: Would you like to be
7 coming up later with more than five minutes, or do you
8 wish to bypass altogether?

9 MR. REMPEL: At this time I would bypass,
10 however, it will take longer than five minutes.

11 THE HEARING OFFICER: Can I ask you to spell
12 your last name so we have it for the record.

13 MR. REMPEL: R-e-m-p-e-l.

14 THE HEARING OFFICER: R-e-m-p-e-l. Thank you.

15 The next person I have listed on the testimony
16 sign-in sheet is Don Blankenau. And I take it you would
17 like to wait until later?

18 MR. BLANKENAU: Yeah, it will take about ten
19 minutes.

20 THE HEARING OFFICER: Okay. We'll get back to
21 you then after we've got the five minute testifiers come
22 to.

23 The next person I have listed is Don Adams.

24 MR. ADAMS: Good morning. My name is Don
25 Adams, D-o-n A-d-a-m-s. I'm executive director of

1 Nebraskans First state-wide coalition of ground water
2 irrigators dedicated to protecting Nebraska's ground
3 water for agriculture. In last Sunday's World-Herald,
4 outgoing Department of Natural Resource Director, Roger
5 Patterson, said this about his proposed rules on
6 declaring fully-appropriated basins, quote, "People are
7 going to hate it." I'm here today to validate Mr.
8 Patterson's assessment.

9 Back in September of 2003, the Water Policy
10 Task Force, which is co-chaired by Mr. Patterson, issued
11 a press release that included a promise to NRDs and
12 irrigators that the Task Force would not seek a state-
13 wide ban on the drilling of new wells. The big headline
14 in the World-Herald read, quote, "State Says No Ban
15 Planned on New Wells," end quote. Task Force co-chairman
16 Senator Schrock said, quote, "The Task Force believes
17 that local control of ground water by NRDs needs to be
18 retained and should not be changed," end quote. If the
19 proposed rules, which are the topic of this hearing
20 today, are adopted, this promise will be broken as the
21 DNR will use these rules to declare virtually all of the
22 eastern half of the state where irrigation is a factor as
23 fully appropriated. Once this happens, an immediate stay
24 on the drilling of new wells goes into effect. The stay
25 will also stop any increase in irrigated acres. Already,

1 most of the western half of Nebraska has been shut down
2 to any new ground water irrigation development. Some day
3 before next Friday, Mr. Patterson will sign off on these
4 rules. These rules will then carry the force of law, and
5 thereby make the highly controversial LB 962 far worse
6 than ever contemplated by the Task Force or anyone else.
7 Then, next week, Mr. Patterson will leave state
8 government and become a private consultant. It is
9 because of this situation that Mr. Patterson should not
10 be making this decision on these proposed rules that he
11 alone developed, contrary to the wishes of a committee
12 that he himself convened to develop a fair set of rules
13 for all concerned. This committee was eliminated by Mr.
14 Patterson when it refused to reach consensus on Mr.
15 Patterson's proposals.

16 There is absolutely no need whatsoever to force
17 these rules upon us now, other than the fact that Mr.
18 Patterson is leaving state government and wants the
19 matter settled. These rules involving the connectivity
20 of ground water and surface water, the so-called lag
21 effect, and the standard of surface water appropriations
22 fulfillment are purely arbitrary and woefully lacking a
23 basis in sound science. These rules involve over-
24 reaching because they will allow state intervention and
25 control into areas of this state where there are no

1 problems even remotely akin to the problems western
2 Nebraska is experiencing due to the prolonged drought.
3 In the west, these problems are being aggressively dealt
4 with by the NRDs out there. These rules are extreme
5 because they will adopt a standard of ground
6 water/surface water connectivity that is way out of line
7 with the so-called 28 percent/40 year standard that has
8 been recognized and accepted standard for at least the
9 past 30 years.

10 These rules will harm our agricultural-based
11 economy, and effectively put a great big "Closed to New
12 Business" sign up. In a state like ours where irrigation
13 is a necessity, not a luxury, these rules make no
14 economic sense. The livelihood of hundreds of thousands
15 of Nebraskans who are directly or indirectly dependent on
16 irrigated agriculture production will be impacted. Our
17 ground water is a resource that must be used to generate
18 new wealth that enhances land values, sustains our local
19 tax bases, and maintains our high quality of life. Wise
20 management of our ground water requires that in dry
21 periods, such as now, we draw upon and even draw down the
22 aquifers, and use the water for a beneficial purpose so
23 later recharge can occur during wet periods. Mother
24 nature allows for this give and take.

25 These rules will essentially turn our ground

1 water into stone. Farmers who have invested in irrigable
2 land with the hopes of some day putting in a well to
3 irrigate their land will be hung out to dry. This
4 devaluation of their property right is a serious matter
5 and flies into the face of the correlative rights, share
6 and share alike doctrine that has been the laws of
7 Nebraska since the advent of ground water irrigation.
8 These extreme rules will allow the DNR to control the
9 means of agricultural production. This is not a good
10 thing.

11 It is imperative now that Governor Heineman
12 intervene and instruct the DNR to go back to the
13 Negotiated Rulemaking Committee and develop some new
14 rules that are reasonable, less intrusive, and not
15 harmful to the economy and our producers. This matter is
16 of such importance that the governor's intervention is
17 desperately needed right now.

18 Finally, holding these kinds of hearings during
19 prime irrigation season is so unfair to all those who
20 will be most affected by the government action at issue.
21 Additionally, we wonder why only one public hearing is
22 being held on such an important state-wide issue. Our
23 government should operate in slightly more fair and
24 accommodating manner. In fact, the Nebraska
25 Administrative Procedure Act, Section 84-908, says that,

1 "No adoption of any rule shall become effective until
2 it's approved by the governor. And the governor, in it's
3 considerations of the proposed rule, shall include in his
4 considerations, number two, whether reasonable and
5 convenient opportunity for public comment was provided
6 for the geographic area affected by the rule and
7 regulation. If a public hearing was not held in the
8 affected geographic area, reasons shall be provided by
9 the agency to the governor." It is clear that 84-908(2)
10 has been violated. This gives the governor the clear
11 option now to not approve these rules, to reconvene the
12 Negotiated Rulemaking Committee, and hold hearings
13 additionally in Fremont, Columbus, Norfolk, York, and
14 maybe a couple of other places. Thank you very much.

15 THE HEARING OFFICER: Don, would you like to
16 offer exhibits?

17 MR. ADAMS: Yes.

18 THE HEARING OFFICER: Exhibit 25 is received
19 into the record.

20 (Exhibit 25 was marked for identification and
21 received in evidence. See Index.)

22 The next person I have listed is Larry
23 Hutchinson.

24 MR. HUTCHINSON: My name is Larry Hutchinson,
25 L-a-r-r-y H-u-t-c-h-i-n-s-o-n. I've been asked by my

1 agency to provide a summary of a testimony provided
2 earlier. Game and Parks Commission is the lead agency
3 authorized to manage fish and wildlife, park and
4 recreation uses in Nebraska. Our mission is stewardship
5 of the state's fish, wildlife, park and outdoor
6 recreation resources in the best long-term interest of
7 the people of Nebraska and the resources. We have, in
8 our agency, a system of wildlife management areas, state
9 recreation areas, state parks, almost all of which adjoin
10 waterways, lakes and reservoirs. Many of these exist in
11 association with irrigation, power generation and flood
12 control projects that rely on surface water
13 appropriations.

14 In addition, the Game and Parks Commission
15 maintains five fish culture facilities that include the
16 Republican, Platte, Niobrara, Loup, and Elkhorn River
17 basins. The Game and Parks Commission holds the first
18 instream flow appropriation and along with the Central
19 Platte Natural Resource District, has other instream
20 appropriations for the protection of public trust fish
21 and wildlife resources of the Platte River. Regardless
22 of which entity holds instream appropriations for these
23 purposes, the resources for which they were granted are
24 the property of state residents, and deserve diligent
25 protection. Nebraska Game and Parks agrees that the ten

1 and 50 year rule is considerably better than the 28 and
2 40 year proposal. However, we still believe that the
3 valuation of the Nebraska River basins needs to be
4 considered -- needs to consider broader geographic scope
5 of hydrologically connected ground water to incorporate
6 all but de minimis amounts of depletions. Nebraska has
7 recommended, and has continued to recommend that the rule
8 be amended to expand the geographic scope to include two-
9 and-a-half percent of depletion for 50 years of pumping.
10 Nebraska appreciates the opportunity -- or our agency
11 appreciates the opportunity to provide information and
12 recommendations at this hearing.

13 THE HEARING OFFICER: Thank you. And we
14 already have received a copy of that testimony into the
15 record earlier.

16 MR. HUTCHINSON: Yes.

17 THE HEARING OFFICER: The next person I have
18 listed to testify is Ron Bishop.

19 MR. BISHOP: I'm going to need two or three
20 extra minutes.

21 THE HEARING OFFICER: Okay. How about we go
22 through the list and see if the rest that can limit it to
23 five can go first.

24 The next person would be Dave Thom.

25 MR. THOM: Good morning. My name is Dave Thom,

1 D-a-v-e T-h-o-m. I'm representing T & L Irrigation
2 Company, a center pivot manufacturer here in the State of
3 Nebraska. It's a sad day in the state of Nebraska when
4 it is necessary to impose a moratorium on new irrigation
5 development. Irrigation is the life blood of Nebraska.
6 The economical impact and effect of this is huge, not
7 only on land values that basically can drop in half over
8 night, but also on the whole infrastructure that supports
9 irrigated agriculture in this state. The day that we put
10 irrigation moratoriums in this state on, that are not
11 necessary, is a very, very sad day, and it's wrong.
12 Thank you.

13 THE HEARING OFFICER: Thank you.

14 The next person I have listed is Duane
15 Filsinger.

16 MR. FILSINGER: Good morning. My name is Duane
17 Filsinger, that's D-u-a-n-e, last name Filsinger, F-i-l-
18 s-i-n-g-e-r. I'm the manager of the Lower Niobrara NRD,
19 and I'm testifying this morning in the -- representing
20 our 17-director board, and the citizens of the Lower
21 Niobrara NRD. I wanted to thank you for this opportunity
22 to talk this morning.

23 I want to just cover three areas real quick.
24 First of all, the Lower Niobrara supports the testimony
25 that Mr. Dave Nelson will be giving on behalf of Nebraska

1 Association of Resource Districts. And I'll not get into
2 that because it will be repetitious. I'll let Dave do
3 it. And then we have two other areas. First of all we
4 support the 28 percent/40 year concept, and use several
5 examples such as the 28 percent/40 year concept was
6 outlined way back in 1981 in the Missouri River Basin
7 States Association Study. It's a concept that was used
8 in the Nebraska versus Wyoming case as a boundary. The
9 Natural Resource District has used the 28 percent/40 year
10 line for years in temporary well drilling suspensions,
11 and the 28 percent/40 year line was used by the
12 Department of Natural Resources for the boundaries of the
13 over-appropriated area of the Platte River. And that
14 just is some of many examples where this has been used.

15 Thirdly, our concern is the fact that there may
16 be use of the concept of the ten percent/50 years. We
17 have no information that this has been used in the past,
18 and we do feel that the 10/50 figure that is used, that
19 more areas of the state of Nebraska will move from under-
20 to fully-appropriated. This will cause the NRDs
21 additional acres to manage, change in our management
22 plans, having to add additional staff, and additional
23 cost to cover the change in midstream. And also in our
24 own area, we feel that the Niobrara River and the
25 Niobrara River Basins will be affected by rulings on the

1 Elkhorn River if the 10/50 percent line is used. And we
2 just feel that the changes I have mentioned are
3 unnecessary. And the only avenue that we have to recover
4 the cost that it will cost us to hire additional help and
5 change our plans, is that we need to tax and raise the
6 tax levy in our own district.

7 The Lower Niobrara is currently working with
8 the Department, and we strongly urge that the DNR use the
9 10/40 line for all designations in the future.

10 Thank you for your time, and I'd like to offer
11 this as testimony.

12 If you bring it up, we'll mark it as Exhibit
13 26.

14 (Exhibit 26 was marked for identification.)

15 THE HEARING OFFICER: Exhibit 26 is received
16 into the record.

17 (Exhibit 26 was received in evidence. See
18 Index.)

19 The next person I have listed is Robert O'Dell

20 MR. O'DELL: I would defer for now. Thank you.

21 THE HEARING OFFICER: Is your last name
22 spelled, O'D-e-l-l?

23 MR. O'DELL: Yes, ma'am.

24 THE HEARING OFFICER: Thank you.

25 The next person I have listed is Clint

1 Johannes.

2 MR. JOHANNES: Good morning.

3 THE HEARING OFFICER: Good morning.

4 MR. JOHANNES: My name is Clint Johannes, C-l-
5 i-n-t J-o-h-a-n-n-e-s. I'm the assistant general manager
6 of the Nebraska Electric Generation and Transmission
7 Cooperative. I will be testifying on their behalf this
8 morning. I'm also member of the Water Policy Task Force
9 representing power, and then currently chairman of the
10 Lower Platte North NRD.

11 The Nebraska G&T at their June 24th board
12 meeting discussed these rules and proposed for the basins
13 and passed resolutions. And I believe that Deputy
14 Director Bleed entered that into -- as an Exhibit. And
15 I'm not sure of the exhibit number, along with a letter
16 that I wrote to Director Patterson, so --

17 THE HEARING OFFICER: That is correct.

18 MR. JOHANNES: I would just like to expand a
19 little on that resolution. We support the LB962
20 proactive approach, and want to avoid having the remaining
21 portion of the state becoming over-allocated. However,
22 we strongly feel that the 28/40 boundary should be the
23 standard used. It was the only boundary that I recall
24 being discussed with the Water Policy Task Force. And
25 the Task Force, I felt, was led to believe that this

1 would be the standard that was used. Broadening the
2 boundary to 10/50 standard in the remaining portion of
3 the state where the determination of fully-allocated is
4 to be made before January 1, 2006, will result in many
5 wells being located in two, and maybe as many as four,
6 hydrologically connected basins. This large overlap we
7 feel, will lead to problems. NRDs will be forced to
8 having the same integrated management plans and will lose
9 the flexibility that they necessarily need.

10 It will also be more difficult to explain and
11 get public support. This overlap issue has not been
12 addressed, or needed to be addressed in those basins that
13 are currently, either fully- or over-allocated in either
14 the Republican or the Platte basins. Because of the
15 geology, and probably the tighter web of tributaries in
16 the east and northeast part of Nebraska, 28/40 boundary
17 could generally result in the entire area being
18 hydrologically connected. The 10/50 just causes more
19 overlap. It would be most logical and easier to explain
20 if the NRD boundaries were used for the fully-allocated
21 boundary. There is not sufficient science of information
22 to be so accurate that NRD boundaries would not be a
23 satisfactory proxy.

24 Another area that we have concern with the
25 rules is how the instream flows are used in the fully-

1 allocated determination. When these flows were granted,
2 most flows were expected to be available only about 20
3 percent of the time. This should be the same standard
4 used in the determination of fully-allocated. If calls
5 were made on junior rights in the past for flows needed
6 above the 20 percent, this was also wrong.

7 Thank you for the opportunity to provide our
8 comments and concerns. We respectfully request that you
9 make modifications to the proposed rules to respond to
10 these concerns. Thank you.

11 THE HEARING OFFICER: Thank you. Do you wish
12 to place your --

13 MR. JOHANNES: Yes.

14 THE HEARING OFFICER: It will be marked as
15 Exhibit 27.

16 (Marked Exhibit 27 for identification.)

17 And Exhibit 27 is received into the record.

18 (Exhibit 27 was received in evidence. See
19 Index.)

20 The next person is Scott Merritt.

21 MR. MERRITT: My name is Scott Merritt, S-c-o-
22 t-t M-e-r-r-i-t-t. I serve as executive officer of the
23 Nebraska Corn Growers Association. We'd like to provide
24 some testimony today on behalf of the Association on Rule
25 (sic) 475, Chapter 24. I will submit a written testimony

1 for the record, and in essence of time, I might just hit
2 on a couple of the main points. NeCGA has, and continues
3 to support the basic concepts and the intent of the
4 Governor's Water Task Force, and LB926 over the past few
5 years. We believe in the need to develop and implement a
6 rational state-wide water management plan. NeCGA is
7 currently opposed to the 10 percent/50 year rule as it's
8 outlined. Rather, we would support a 28/40 year line.
9 We believe for several reasons this is a more acceptable
10 rule that could be utilized, and it provides more clear
11 definition.

12 The second area of concern is the information
13 that would be used to implement the process. We support
14 the outlined rule and agree that the best available
15 science should be used in utilizing the determination.
16 We also believe that this process is ongoing, and has a
17 margin for error. And we would like to see a more
18 transparent component utilized, which allows for
19 independent review of third parties, to provide a more
20 check and balance to the system.

21 With that, we would like the Department to
22 reconsider some of the proposed rules.

23 THE HEARING OFFICER: Thank you. This will be
24 marked as Exhibit 28, and is received into the record.

25 (Exhibit 28 was marked for identification and

1 received in evidence. See Index.)

2 Next on the list is David Nelson.

3 (Marked Exhibit 29 for identification.)

4 MR. NELSON: My name is Dave Nelson. I am a
5 Tri-Basin NRD director, and I'm also president of the
6 Nebraska Association of Resource Districts. Our primary
7 concern from the NARD side is with the rule that the 10
8 percent depletion in 50 year rule as a standard for
9 deleting (sic) fully-appropriated river basins. We
10 believe this is an unworkable standard to use when making
11 determinations and implementing corresponding local NRDs
12 and rules and regulations. Excuse me. All other
13 determinations of hydraulic (sic) interconnection between
14 ground water and surface water made by the State of
15 Nebraska in the past have used this 28 percent and 40
16 years. Following are just a few examples.

17 Nebraska's new depletion plan for North Platte
18 River Co-operative Agreement uses 28/40 as a management
19 boundary. This standard has been a feature of this
20 management plan since the first drafts were made in 1998.
21 Nebraska agreed to use the 28/40 as a boundary line in
22 the settlement with Wyoming. The Department of Natural
23 Resources used the 28/40 boundary for over-appropriated
24 parts of the Platte River shortly after the passage of LB
25 962. During the discussion of the Water Task Force

1 Policy (sic) in the development of LB 962, we believe
2 that the 28/40 line would be the standard that would be
3 used for the rest of the regulations. To change the
4 standard now to the 10/50 creates several problems for
5 local administration of Integrated Management Plans. The
6 10/50 line goes beyond NRD boundaries. Using the 10/50
7 standard, DNR would ask an NRD to regulate ground and
8 surface water in the Platte basin to benefit water users
9 in the Loup basin. It also creates a situation where
10 districts in the Loup basin could be asked to develop
11 plans to manage for drainage in the Elkhorn basins. The
12 problem to overcome is, is that the Platte is not a
13 tributary of the Loup, and the Loup is not a tributary of
14 the Elkhorn, nor does the ground water generally move
15 from the Platte to the Loup basin, or from the Loup to
16 the Elkhorn basin. NRDs will have a difficult task
17 convincing constituents to accept regulations that appear
18 to defy common knowledge of ground water and surface
19 water movement.

20 NRDs in the Platte and Upper Niobrara White
21 basins are in the process of developing management plans.
22 Using this rule an interested party could request that
23 the district's integrated management boundaries be re-
24 assessed. This rule would also make districts go back to
25 their constituents to explain that the scope of the

1 regulations have changed since the 28/40 lines were
2 established just two years ago. Stakeholder groups have
3 already been established, and plans are being developed.
4 A change to the 10/50 line could cause districts to start
5 over with their plans. Part of the apparent motivation
6 of some opponents (sic) of 10/50 and other broader
7 standards for interconnection is an unfounded concern
8 that NRDs would not regulate water use in their
9 districts. On the contrary, NRDs have already gone
10 beyond the Department's requests on regulatory
11 boundaries. For example, the Upper Niobrara-White NRD
12 board of directors chose to include their entire district
13 in their management plans rather than leaving a portion
14 out as suggested by DNR. The North Platte and South
15 Platte NRDs have also expanded management beyond the
16 28/40 lines to address their concerns. Other NRD boards
17 will also likely take a comprehensive approach to
18 integrated water management plans within their districts.

19 NARD recommends a change to the proposed rule
20 to address these concerns. The logical choice would be
21 to use the 28/40 line for all fully-appropriated basin
22 designations. This would keep the regulation consistent
23 with past determinations. We also recommend that fully-
24 appropriated designations stop at NRD boundaries or river
25 basins boundaries to avoid the problems of regulating

1 water users in one river basin in an attempt to benefit
2 those in another.

3 Another concern with the proposed regulations
4 is that there is no standard for determining whether
5 instream flow water rights are being satisfied. When
6 instream flows for fish and wildlife were granted on the
7 Platte River in the 1990's, an agreement was reached that
8 ground water would not be regulated for the management of
9 the instream flow. This compromise was reached because
10 some of the instream flows granted occurred as frequently
11 (sic) as 20 percent of the time. LB 962 allows all water
12 users to be regulated for instream flows, but is not
13 mandatory. We do not believe that this is a reasonable
14 requirement for the NRD to manage ground water to protect
15 flows that occur only 20 percent of the time. Therefore,
16 we recommend that integrated management plans be designed
17 to protect only those surface water rights that rely on
18 stream flows that occur at least 90 percent of the time.
19 This is an attainable goal.

20 Another problem with the regulations is the
21 standard for accounting for lag effect of ground water
22 pumping. The proposed 25 year lag effect standard is too
23 long a period to expect to be able to estimate with any
24 degree of certainty due to changes in crop patterns, farm
25 programs, weather, water use, and a host of other

1 factors. We do not believe that the best computer
2 hydrology models are accurate enough to estimate the lag
3 effect. Further, we do not believe that it is necessary
4 to make such speculative estimates when LB 962 requires
5 DNR to annually review the level of water use in
6 Nebraska's river basins. Thus, we recommend dropping
7 that portion of the rule.

8 Finally, ground water recharge from stream
9 flows is not addressed in the regulations. The rule
10 assumes that all portions of rivers are gaining streams.
11 Hydrology does not support that assumption. Nebraska
12 streams have both gaining and losing segments. The
13 losing segments provide ground water recharge and are not
14 considered. Surface water diversions impact ground water
15 recharge, however, these factors are not considered in
16 this rule. Thus, we suggest that these factors be
17 accounted for. So the NARD and the NRDs are more than
18 happy and willing to work with the DNR to help resolve
19 these problems. Thank you.

20 THE HEARING OFFICER: And we've marked your
21 written testimony as Exhibit 29, and it will be received
22 into the record at this time.

23 (Exhibit 29 was received in evidence. See
24 Index.)

25 Next on our list is Carroll Sheldon.

1 MR. SHELDON: My name is Carroll Sheldon,
2 Kearney, Nebraska. I'm on the Central Platte NRD Board.
3 I'm also chairman of the Water Resource Committee on the
4 NRD Board.

5 Roger, no affront to you, but if anyone is
6 setting in the lame-duck chair, you are. I don't know
7 why you're here, but I have a good idea, to try to throw
8 this thing up at us, the 50/10 and hope that maybe 51
9 percent of the people are asleep and might buy into some
10 part of it. I don't mean that about you personally,
11 Roger. You can't be all bad because you drive a classic
12 Corvette. So, it's not personal. Plainly stated, the
13 rules as proposed are unacceptable. I want to say that
14 again. The rules as proposed are unacceptable. As a
15 duly elected public official, I have a duty to do my best
16 to help wisely manage our water resources, while at the
17 same time, protect the rights of land owners to use the
18 water under their land for beneficial purpose of
19 irrigation. Three recent Supreme Court rulings had
20 clearly stated that NRDs and not the State DNR are the
21 government bodies that regulate ground water use. We
22 thank our Supreme Court for issuing these accurate
23 rulings, and we press on accordingly. Those proposed DNR
24 rules are purely arbitrary criteria that is completely
25 lacking in sound science. The 10 percent/50 year

1 criteria is so far out in left field, it is ridiculous.
2 The DNR came up with it out of the blue, and we will not
3 accept it. Period. No statistics, facts, testing, flow
4 models, on-site water testing, there is no basis to
5 approach us with this 50/10. It's a blatant disregard
6 for factual information and studies. Our board has many
7 questions on the ground water/surface water
8 interrelationship issue. I can safely say that no state
9 or federal government program will be forced upon us
10 until all questions are answered adequately. The COHYST
11 and Cooperative Agreement Program both have a long way to
12 go before they earn our endorsement. They are far from
13 being done deals. We will not be pushed by the State DNR
14 or the US Fish and Wildlife, or anyone else to sign-on to
15 any regulatory program that is not fully supported by
16 sound science. Let me read you some facts here.

17 Nebraska new depletion plans, the Platte River
18 Cooperative Agreement, uses a 40/28 percent as a
19 management boundary. Nebraska agreed to use 40/28 as a
20 boundary in the Nebraska versus Wyoming settlement. The
21 director of the DNR asked our NRD to impose a suspension
22 of drilling new wells in the western part of our NRD
23 above Elm Creek within the 40 year/28 percent. The
24 Department of Natural Resources set the 40/28 percent
25 boundary for over-appropriated parts of Central Nebraska

1 NRD. During the past centuries, the farmers here in
2 Central Platte built this area up from nothing into many
3 prosperous communities with a high quality of life. We
4 will not allow any government program to destroy what we
5 and our forefathers have built.

6 I would like to, at this time, in order to take
7 back an idea of the feeling of the people at this
8 hearing, I would like to have a showing of hands of
9 everyone who opposes these rules as proposed on the 50/10
10 percent area. Showing of hands against it.

11 (Raising hands)

12 Thank you. It doesn't take long to tell how
13 these people feel. At this time, I think all
14 stakeholders, that is people who own, operate land,
15 businesses and so forth in this area, are very sincerely
16 dedicated to working on the 40/28 and against the 50/10.
17 At this time, we call on Governor Heineman to step in now
18 and stop these rules from being adopted as state law
19 procedure has not been followed on these. And I want to
20 go on record as our 21 members of the Central Platte NRD
21 voted unanimously against the 50/10. Thank you.

22 THE REPORTER: Could you spell your name on the
23 record for me, please?

24 MR. SHELTON: Yes. Carroll Sheldon, C-a-
25 double r-o- double l S-h-e-l-d-o-n, Kearney, Nebraska.

1 THE REPORTER: Thank you.

2 MR. SHELDON: Thank you.

3 THE HEARING OFFICER: Do you wish to submit
4 your written testimony into the record?

5 MR. SHELDON: No, they're just --

6 MR. PATTERSON: Do you wish to provide the
7 outgoing director with a new Corvette?

8 MR. SHELDON: Yes.

9 THE HEARING OFFICER: The next person I have
10 listed on the testimony sheet is Stan Staab.

11 (Marked Exhibit 30 for identification.)

12 MR. STAAB: Good morning. Thank you for the
13 opportunity to testify today. I'm providing comments to
14 you on behalf of the Lower Elkhorn Natural Resource
15 District Board of Directors, 15 in number, headquarters
16 in Norfolk, Nebraska. I represent parts of 15 counties
17 in the northeast. Stan Staab, spelled S-t-a-a-b, general
18 manager for the district. I wish to make it very clear
19 that our NRD recognizes the importance of LB 962, and we
20 intend to fully comply with the law. However, these
21 rules and regulations as written by DNR are extremely
22 important to our basin and the future of our citizens.

23 In our opinion, these rules and regulations
24 should contain sufficient detail to be properly
25 interpreted, but your current language does not provide

1 adequate definition to accomplish this. We respectfully
2 request that DNR consider our comments, provide
3 appropriate answers to our questions, and revise these
4 rules and regulations accordingly. If our basin is
5 deemed to be fully-appropriated on January 1st, 2006, or
6 at any other time, the Lower Elkhorn NRD strongly
7 supports the 28/40 rule over the 10/50 rule. We believe
8 this is a fair and consistent standard. In addition, we
9 are providing the following concerns in order of
10 priority.

11 The availability of stream flow. We question
12 the basis for utilizing the junior surface water rights
13 to determine the availability of stream flow. DNR
14 currently performs no assessment of historical
15 availability of stream flow prior to granting rights and
16 provides no guarantee to landowners that any amount of
17 this right will be available. Thus, the basin could be
18 fully-appropriated when there is no ground water use. We
19 suggest that an assessment of stream flow data prior to
20 large-scale ground water development of ground water in
21 the 1970's should be performed to determine if, on
22 average, 85 percent, May 1 thorough September 30,
23 inclusive, and at least 65 percent, January 1 through
24 August 31, inclusive, would have been available to junior
25 surface water users.

1 Non-irrigation rights. DNR should define all
2 types of non-irrigation rights, and their complimentary
3 standard of delivery appropriate for each use. In much
4 of eastern Nebraska, definition of standard of delivery
5 or in-stream flow rights could most likely have a serious
6 impact on basin designations. When the in-stream flow
7 right was granted in 1996, there was an agreement between
8 DNR, Nebraska Game and Parks, affected NRDs and other
9 affected users that ground water would not be regulated
10 for the management of specific -- of that specific in-
11 stream flow right. To honor this agreement, we strongly
12 feel this in-stream flow right should not be considered
13 when calculating the ability of stream flow.

14 Hydrologic connection. Your rule proposes that
15 the areas that DNR preliminarily considers surface water
16 and ground water to be hydrologically connected will be
17 defined by results of an undefined stream depletion
18 method. These methods do not define areas that are
19 hydrologically connected. Aquifer boundaries, confining
20 units, stream bed hydraulic conductivity, etc. define
21 hydrologic connection and must be utilized in any
22 determination.

23 Sound Science to be considered. We suggest a
24 source of information to be used should be prioritized in
25 order to assess the weighting of importance applied to

1 data sets, reports, maps and models. We suggest the
2 addition of a footnote that references all available
3 listed information and complete data sets that insure
4 future determinations. We suggest all historical surface
5 water and ground water data be used to confirm projected
6 impacts of stream flow depletions, as well as to confirm
7 the impact existing wells have already made on stream
8 flow.

9 We request written answers to the following
10 questions ordered by paragraph:

11 Paragraph two.

12 What is the lag effect, and how is it
13 calculated?

14 Why is there a difference between, on average,
15 85 percent, and at least 65 percent?

16 Paragraph four.

17 When evaluating availability of stream flow
18 over the previous 20 years, will DNR use the current 2005
19 list of junior right holders, or will they use junior
20 right holders that existed at that time in the past?

21 What is the definition of junior rights?

22 Will the data considered in the previous 20
23 years be used to calibrate the prediction of the next 25
24 years?

25 Could any one year in the past 20 years, or the

1 next 25 years, trigger a fully-appropriated status?

2 We also question the selection of using a
3 depletion of 10 percent of the amount pumped. What is
4 the technical basis for selecting this percentage?
5 Especially when it varies from the 28 percent that we
6 utilized to define areas that were considered over-
7 appropriated.

8 Paragraph five.

9 Will the preference system related to water use
10 be taken into account when standards of delivery for non-
11 irrigation rights are defined?

12 Paragraph six.

13 The last sentence talks about priority of use.
14 What does the term priority mean in this case? Does it
15 refer to first in time, first in right, or does this mean
16 that the ground water and surface water are equal?

17 Paragraph seven.

18 We question the proposal of considering lag
19 effect of wells over the next 25 years, and defining a 50
20 year steam depletion factor. What is the technical basis
21 for selection of these variable time frames? A note:
22 Harry Weakly performed a drought study based on tree
23 rings in Nebraska, documented in the Journal of Soil and
24 Water Conservation, November-December of 1962.
25 Concluding from 1220 to 1952 there was an average of 23.9

1 years between droughts, and with an average duration of
2 12.8 years.

3 A general question, then, is why is there no
4 explanation of Section 46-713(3)(b)? Will ground water
5 that rely on stream flow be adequately protected by these
6 rules?

7 Again, thank you for conducting this important
8 hearing and receiving our comments and questions.

9 THE HEARING OFFICER: Thank you. And we've
10 marked your testimony as Exhibit 30, and it is received
11 in the record.

12 (Exhibit 30 was received in evidence. See
13 Index.)

14 THE HEARING OFFICER: The next person I have
15 listed, I am having trouble reading the name. They're
16 speaking -- the company they're from looks like it's
17 Kuehner? I'm sorry, I can't read -- there's a signature,
18 and then it's K-u-e-h-n-e-r, the person -- You'll pass
19 for now? Okay.

20 The next person is Ray Winz.

21 MR. WINZ: Good morning. My name is Ray Winz,
22 that's spelled R-a-y W-i-n-z. I am a member of the Tri
23 Basin NRD Board, and was a member of the Governor's
24 Republican River Council, one of the original information
25 groups on the Republican River, which has now been fully

1 controlled with irrigation restrictions. I thank you for
2 the chance to comment on these proposed rules.

3 The 28/40 rules have been a standard used in
4 many, many meetings, and used as a guideline presented to
5 participants in those meetings. We are opposed to the
6 10/50 plan, as it is, will be publically unacceptable in
7 the agriculture segment, and it may have a devastating
8 economic impact in rural Nebraska.

9 I have attended many national meetings across
10 the United States, which have had soil and water
11 conservation forums, including the National Farm Bureau,
12 and the GMDA and numerous other ones. At every one of
13 these meetings, when they're talking about complications
14 and restrictions and the slowness of things happening,
15 the Nebraska NRDs have been singled out as the best
16 organizations in the entire United States to solve
17 problems, to reach consensus quickly, have local control,
18 and get the job done within a reasonable time frame. It
19 would be nearly impossible for the NRDs to administer the
20 10/50 rule as it crosses NRD lines, and basin lines. The
21 NRDs, which have been esteemed as the best soil and water
22 conservation entities in the United States, would be
23 questioned, at the best, in their abilities. Not because
24 of their local abilities, but because of restraints
25 placed upon them.

1 I am surprised that I am one of the very few
2 active farmers speaking yet at this group. And I count
3 it a great privilege to be a farmer. One of the greatest
4 things in my life is that I work beside two sons and
5 three grandsons every day. Saturdays and Sundays
6 included in this busy irrigation district. And I can
7 also set in church on Sunday morning with those sons and
8 grandsons. We can shut down a quarter-million dollar
9 combine in the middle of the afternoon to go attend ball
10 games with those grandsons. When we get back from the
11 ball games, we can run until midnight to catch up that
12 time. That is a great privilege in agriculture, and I'm
13 damn proud to be an American farmer.

14 I am appalled at the never-ending adulterous
15 changes which occur in the time between our preliminary
16 meetings, our preliminary discussions, promises have been
17 made to us. When we get down to the final draft in the
18 final line, those promises and stuff seem to disappear.
19 Only when the so-called best model available failed to
20 dictate the politically aspired curtailment of ground
21 water pumping was the 10/50 idea brought forward.

22 I personally am strongly opposed to the 10/50, and I
23 support the 28/40 standard to be used. Thank you.

24 THE HEARING OFFICER: Thank you. Do you wish
25 to put your testimony, written testimony in as an

1 exhibit?

2 MR. WINZ: Yes, I would.

3 THE HEARING OFFICER: We'll mark that as
4 Exhibit 31.

5 (Exhibit 31 was marked for identification.)

6 And it is received into the record.

7 (Exhibit 31 was received in evidence. See
8 Index.)

9 The next person I have on the list is Don
10 Kraus. We'll mark this as Exhibit 32.

11 (Exhibit 32 was marked for identification.)

12 MR. KRAUS: My name is Don Kraus, D-o-n K-r-a-
13 u-s. I'm general manager of the Central Nebraska Public
14 Power and Irrigation District, and testifying on behalf
15 of the District.

16 I appreciate the opportunity to provide comment
17 today, and I'm going to summarize the written comments.
18 I'm testifying today to support protection of surface
19 water rights. We are in the midst of an extreme drought
20 currently in its sixth year, and Lake McConaughy reached
21 its lowest level in its 65 year history last September.
22 The Central District reduced deliveries of surface water
23 to its irrigators this year to approximately 37 percent
24 of normal schedule deliveries due to reduced inflows over
25 the past five years. While we have taken a number of

1 measures to conserve water, ground water pumping has
2 continued without any restrictions, which would benefit
3 surface water flows even though we estimate the impact to
4 average 100,000 acre feet per year. The Integrated
5 Management Plans for the area will have to find ways to
6 significantly reduce impacts to stream flow in order to
7 meet the intent and requirements of LB 962.

8 The State of Nebraska has a responsibility
9 under LB 962 to implement rules that avoid these kinds of
10 conflicts with surface water users and ground water
11 users. A number of individuals in organizations have
12 proposed weakening the definition of the hydrologically
13 connected area to allow depletions of surface water right
14 flows by an average of 28 percent over a 40 year period.
15 The amount of water depleted from the river in the 49th
16 year would be approximately 50 percent of the amount
17 pumped in that year. This does not meet the standard of
18 avoiding water user conflicts and providing a sustainable
19 use for the future. Furthermore, it does not protect
20 surface water supplies or meet a fairness test.

21 The Department of Natural Resources has
22 proposed a rule which would define the geographic area to
23 be considered as an area within which a well pumping for
24 50 years would deplete surface water flows by 10 percent
25 of the water pumped in that year. This is more

1 appropriate and provides greater protection than the 20
2 percent/40 year proposal endorsed by others. However, a
3 rule providing even greater protection would have been
4 better. The Department needs to analyze the potential
5 effects of the rule and ensure that the impacts to
6 surface water rights are de minimis.

7 Concerns regarding management complexities
8 where a proposed geographic boundary crosses a Natural
9 Resource District boundary are important, but do not
10 justify weakening the protection provided to surface
11 water rights. The State of Nebraska should use the best
12 scientific information available to implement management
13 of its water resources. The NRDs have a responsibility
14 to cooperate with each other, as with the Department, to
15 meet the intent of Nebraska statutes. Thank you.

16 THE HEARING OFFICER: And you wish to offer
17 Exhibit 32 into the record?

18 MR. KRAUS: Yes.

19 THE HEARING OFFICER: Exhibit 32 is received
20 into the record.

21 (Exhibit 32 was received in evidence. See
22 Index.)

23 The next person I have listed is Don Batie.

24 (Marked Exhibit 33 for identification.)

25 MR. BATIE: Good morning, my name is Don Batie,

1 it's D-o-n B-a-t-i-e. I farm north of Lexington in
2 Dawson County, and I'm on the Nebraska Farm Bureau
3 Federation Board of Directors, and Second Vice-President.
4 And it is my pleasure today to testify on behalf of the
5 Nebraska Farm Bureau.

6 I submitted written testimony that I wish to be
7 entered into the record, and will summarize this written
8 testimony, orally.

9 We do believe that the listed data proposed in
10 the rule sufficiently meets the statutory requirement.
11 We would suggest the list include an item to incorporate
12 other data deemed relevant by the DNR when a
13 determination is made. Such an all-inclusive item would
14 eliminate the need to amend the rules and incorporate
15 other data and information each time the Department is
16 aware of some new information.

17 Regarding interference criteria, we can accept
18 the criteria in the rule based on crop irrigation
19 requirement during a typical irrigation season and the
20 critical irrigation period. It seems reasonable to us
21 and assures that sufficient water on average will be
22 available for irrigation. We do, however, suggest that
23 DNR monitor changes in cropping patterns and to take into
24 account historical records of flows. Nebraska Farm
25 Bureau can also accept the 25 year time period for

1 estimating lag effects from existing ground water
2 pumping. However, we do have concerns with that, kind of
3 how that is to be calculated. Changes in cropping
4 patterns, weather, water use among other things influence
5 impacts ground water use has on stream flow depletions.
6 Because of these variables, accurate estimates of stream
7 flow depletions can be difficult, and time and budget
8 constraints in DNR limit that agency's ability to
9 accurately determine stream flow depletions. We do
10 believe that DNR should clearly outline methodology that
11 it uses in its annual report required under Nebraska
12 Statute 46-713, so that the methodology can be tested by
13 outside, independent parties.

14 We, Nebraska Farm Bureau, does continue to have
15 concerns with defining the hydrologically connected area
16 as the area within the 10/50 line. Nebraska Farm Bureau
17 policy calls for careful balancing of both ground water
18 and surface water user interests in an integrated
19 management system. We both appreciate and recognize DNRs
20 efforts to prevent conflicts and problems in the future,
21 and yet provide a standard that is workable. While we
22 applaud these goals, we believe the proposed rule could
23 limit ground water development, with little assurance
24 that stream flow or surface water appropriators would
25 benefit.

1 We believe the hydrologically connected area within the
2 28/40 line would be more appropriate.

3 There are several problems with the 10/50 line.
4 First of all, the discussions of the Water Policy Task
5 Force always focused on the 28 percent/40 year line. It
6 is politically accepted and widely known among the water
7 users.

8 Secondly, we believe that while DNR users would
9 use sound science and the best data available, there is a
10 margin of error in using sound science and best data.
11 The relationship of hydrologically connected ground water
12 and surface water is extremely complex and site-
13 dependant. Because of the uncertainties, we believe that
14 caution should dictate eliminating the geographic area.

15 Third, we believe the 10/50 line will result in
16 more landowners being subject to multiple, fully-
17 appropriated designations and integrated management
18 plans. Multiple overlapping basins and plans will
19 complicate the integrated management planning process,
20 particularly when transfers or offsets might be required.
21 These complications will increase user confusion,
22 uncertainty and frustration in the integrated management
23 planning process. If the 10 percent/50 year standard is
24 used, we would suggest that a hydrologically connected
25 area only includes an area that is not overlapped into

1 another basin already considered fully-appropriated.
2 Thus landowners would not be subject to multiple
3 designations and plans.

4 Again, thank you for listening to our comments.

5 THE HEARING OFFICER: Thank you. Exhibit 33 is
6 received into the record.

7 (Exhibit 33 was received in evidence. See
8 Index.)

9 The next person is Steve Huggenberger.

10 MR. HUGGENBERGER: I'll pass.

11 THE HEARING OFFICER: You'll pass? Okay.

12 Roger Houdersheldt? I hope I pronounced that
13 right.

14 MR. HOUDERSHELDT: You did pretty good. A lot
15 better than telemarketers.

16 THE HEARING OFFICER: Well, that's a
17 compliment. You'll be offering that in?

18 MR. HOUDERSHELDT: Yes.

19 (Marked Exhibit 34 for identification.)

20 MR. HOUDERSHELDT: Now I'll test your spelling.
21 It's Roger, R-o-g-e-r, Houdersheldt, H-o-u-d-e-r-s-h-e-l-
22 d-t.

23 I am Roger Houdersheldt, chairman of the Upper
24 Big Blue NRD board of directors, and I'm testifying on
25 behalf of the board about the fully-appropriated basin

1 determination criteria rule. The Upper Big Blue NRD has
2 had a ground water quantity management area since 1977,
3 encompassing one million acres of irrigated lands. That
4 is 15 percent of the total irrigation in Nebraska.
5 Irrigation is a big deal in our NRD. It is of great
6 economic importance. Ground water is being used and
7 managed in a sustainable fashion. If in doubt, look at
8 the long-term ground water level changes which show
9 declines and rises, and declines and rises. The water
10 table has fluctuated with a range of plus seven, to minus
11 seven feet over the last 45 years. There is not a long-
12 term decline in the Upper Big Blue NRD. The aquifers in
13 our district are our reservoir, just like a lake behind a
14 dam. In dry years we use some of the water in storage
15 and in the wet years the aquifer is refilled. the
16 problem as we see it is that surface water users and
17 instream flow water right holders expect us not to tap
18 our reservoirs. Aquifers must literally run over to
19 satisfy some surface water appropriators. That is like
20 telling surface water users they cannot get any water
21 unless Lake McConaughy is spilling through the morning
22 glory spillway. Our fear has been and remains that state
23 law changes and department rules and regulations will
24 place virtually all of our reservoirs off-limits to us.
25 Now maybe you can see why we are very concerned and

1 involved in Nebraska's water policy discussions and
2 formulation.

3 Criteria for the determination of fully-
4 appropriated basins are necessary. We can live with Rule
5 001 as proposed, provided that existing ground water uses
6 in fully-appropriated water basins are not required to be
7 regulated by state law or Department regulations. That
8 decision needs to remain with the individual NRDs
9 involved in a fully-appropriated basin no matter which
10 basin it is within the state.

11 We support the part of Rule 001.01 dealing with
12 the use of 85 percent of the crop irrigation requirement
13 during May 1 to September 1, and 65 percent of the crop
14 irrigation requirement during July 1st to August 15th to
15 determine shortages to junior surface water rights. We
16 think that the 20-year historical record is reasonable
17 because it will include wet and dry weather cycles. We
18 oppose that part of the Rule 001.01 dealing with lag
19 time. We think that lag time should not be used in the
20 determination of fully-appropriated basins. It is very
21 confusing and hard to understand. Lag effect has not
22 been adequately thought out or explained. In fact, lag
23 time may not make much difference in the end. Since only
24 existing water uses are considered in determining if a
25 basin is fully-appropriated, lag time does not matter if

1 the well is pumped continuously. Don't' believe us? Dig
2 into COHYST.

3 For any lag time period chosen, there are
4 changing hydrologic effects over time, such as changes in
5 river flows, cropping, weather and water use which make
6 any predictions suspect. Look at the 20 years you have
7 historical data for, not the 25 years ahead that you
8 don't. Experience has shown us that the farther out in
9 time a projection is made, the farther off that
10 projection will be. We have been there, done that.
11 Missed it by a mile more than once. If you haven't, you
12 will.

13 The use of lag effect is another attempt to
14 force the restriction of ground water development when it
15 otherwise would not come under regulation. The Nebraska
16 Supreme Court has said for the third time this year that
17 NRDs handle ground water regulation, not the Department.
18 We cannot tell the Department what to do, and the
19 Department cannot tell us what to do. We must work
20 together in integrated water management.

21 We like the fifth paragraph of Rule 001.01
22 which begins with, "Use of the method." This paragraph
23 clearly states that there is no priority of use between
24 surface and ground water. The entire paragraph as
25 drafted needs to be in the final rule. We oppose the 10

1 percent over 50 years boundary in Rule 001.02. For the
2 past several years, the Upper Big Blue has been led to
3 believe by studies, decisions, and policy discussions
4 with others, including the Department of Natural
5 Resources, that the 28 percent in 40 years line would
6 constitute any boundary for regulatory efforts in the
7 management of hydrologically connected ground water and
8 surface water.

9 The 28 percent in 40 year concept was outlined
10 in 1981 Missouri River Basin State Association Study.
11 The 28 percent in 40 years concept is used in the
12 Nebraska versus Wyoming case as the boundary. The 28
13 percent in 40 years line is used in the extensive
14 discussion in the development of Nebraska's New Depletion
15 Plan, and in fact is the boundary that is used in that
16 plan. The 28 percent in 40 year line was used by the
17 Department of Natural Resources for the boundary of the
18 over-appropriated area of the Platte River.

19 The 10 percent over 50 year boundary for the
20 Platte River, as determined by the SDF method means that
21 a well along the West Fork of the Blue River in Hamilton
22 County would be regulated for the Platte, even though the
23 well would be south of the Blue River, south of Lincoln
24 Creek, and south of Beaver Creek, all which drain into
25 the main stem of the Blue River in Seward County. That

1 is unexplainable and unbelievable to our water users,
2 municipal and agricultural alike. Fully appropriated
3 basin boundary lines that overlap into another surface
4 water river basin are unacceptable to the Upper Big Blue
5 NRD. Boundaries for fully-appropriated basins need to be
6 at either the 28 percent over 40 year line, or whatever
7 number is adopted in Rule 001.02, or the surface water
8 divide, whichever is closer to the river that has the
9 surface water shortages. If the Platte is short of
10 water, then ground water development in the Platte basin
11 within the 28/40 line needs to be regulated. If the Blue
12 River is short of water, then ground water development in
13 the Blue basin within the 28/40 line needs to be
14 regulated. No water use should be regulated by more than
15 one integrated management plan. Integrated management
16 plans need to be restricted just to the surface water
17 basin in question.

18 We support Rule 002. We think that it is very
19 important for the Department not to not only review NRD's
20 ground water management plan, but also its ground water
21 regulations. Just because the goals of ground water
22 regulations do not specifically state that surface water
23 rights are to be looked out for, the end result is that
24 they are positively affected by the regulation of ground
25 water use. There is a fiscal impact anytime a basin is

1 declared as fully-appropriated. Of course, it is not
2 comparable to the economic impacts of reverting to
3 dryland because of severe and long term water shortages.
4 The fiscal impact of these proposed rules included the
5 cost of drafting, negotiating, and implementing any
6 integrated management plan. The fiscal impact also
7 includes the cost of regulating of water users. Even if
8 development is stopped, regulating costs continue.

9 Thank you for taking time to listen to our
10 testimony.

11 THE HEARING OFFICER: Exhibit 34 is received
12 into the record.

13 (Exhibit 34 was received in evidence. See
14 Index.)

15 Next is James Paulsen.

16 MR. PAULSEN: I'm James Paulsen, and I have
17 irrigated on canal systems since I was five years old.
18 And some of the wells we have pre-date my existence.

19 THE REPORTER: I'm sorry, would you spell your
20 last name, please?

21 MR. PAULSEN: P-a-u-l-s-e-n.

22 THE REPORTER: Thank you.

23 MR. PAULSEN: Ten percent in 50 years.
24 Political solution or science? I think the former. One
25 year ago in August, Ann Bleed stated that in all

1 likelihood, then entire Platte basin would be fully or
2 over-appropriated when the DNR met in September. It did
3 not happen. Why? I believe Ann's statements from
4 Kearney one year ago awakened sleeping giants in the east
5 who, last September, did not have all their ducks lined
6 up in a row. In the past year, it is my understanding
7 that both the cities of Lincoln and Omaha dramatically
8 increased their pumping capabilities at Ashland,
9 Nebraska, despite protests from the city of Ashland. I
10 believe Lincoln and Omaha had a large political influence
11 on the DNR when they met in September of last year, and I
12 believe they and Central are having a large political
13 influence in establishing the 10/50 formula.
14 Establishing the 10/50 formula will move the water east
15 to Lincoln and Omaha where two-thirds of Nebraskans live.
16 It will further destroy economic development in the third
17 district, where in 2003, we had the distinct honor of
18 having seven of the twelve poorest counties in America.

19 Central admits that most of their water in
20 McConaughy comes from return flows from surface water
21 projects above them in western Nebraska and Wyoming.
22 Those ditch companies, like we, have been turning to
23 center pivots that have virtually no run off. The impact
24 of ground water pumping on McConaughy has, in my opinion,
25 been overstated because it was the only thing Central

1 could attack when the lake dried up. Nothing has been
2 mentioned about the fact that rather than place safety
3 measures at the dam to prevent a break, they simply lower
4 the maximum lake level, which, in turn, destroyed much of
5 the historic storage capacity. It was a political
6 decision, and the wrong one. They could not force the
7 canal companies above them to return the water that they
8 had historically returned to the river. Ten/50 is a
9 political decision that favors consolidating water
10 interest into the hands of the DNR where large interests
11 have a better chance of dictating water policy. I hope
12 that the Natural Resource Districts here today will fight
13 you tooth and nail on this proposal. No issue in
14 Nebraska is more important. Thank you.

15 THE HEARING OFFICER: Thank you. Do you wish
16 to submit your written comments into the record?

17 (Exhibit 35 was marked for identification and
18 received in evidence.)

19 At this point, we will take a brief break for
20 those who may wish to use the restrooms. We will go back
21 on the record in about 10/15 minutes. Fifteen minutes
22 with this crowd. Thank you.

23 (11:10 a.m. to 11:29 a.m. -- off the record.)

24 THE HEARING OFFICER: We are back on the
25 record. And at this point, the next person on the list

1 of persons testifying is Chad Smith.

2 MR. SMITH: Good morning, my name is Chad
3 Smith, C-h-a-d S-m-i-t-h. I'm here today representing
4 both American Rivers as director of the Nebraska field
5 office, and the Nebraska Wildlife Federation as a member
6 of its board of directors. I was a member of the
7 Negotiated Rule Committee that helped the DNR draft the
8 proposed rule, and have previously submitted formal
9 written comments.

10 In general, we believe that the DNR is moving
11 forward in the right direction with efforts to define
12 stream and river basins in this state that are fully-
13 appropriated. As intended in LB 962, Nebraska is now
14 moving into the modern age of western water policy, and
15 the connection between ground water and surface water
16 must necessarily be recognized as part of that policy
17 maturation. Both ground water and surface water are the
18 life blood of this state for agriculture and municipal
19 use, recreation like hunting and fishing, and support of
20 important fish and wildlife resources. As LB 962 is
21 implemented, we believe that all these uses can be found
22 to be compatible, and can thrive with more proactive and
23 progressive water management.

24 Our chief concern about the DNR's proposed
25 rules at the 10 percent/50 year line is too narrowly

1 drawn, and will leave a substantial amount of streamflow
2 depletion outside the hydrologically connected area. We
3 are concerned that -- and one of the reasons a more
4 stringent criteria should be used is to help avoid the
5 edge effect of driving new water development to just
6 outside the 10 percent/50 year line, leaving those
7 operators unregulated but creating a larger burden on
8 operators within the line. Using more broad criteria
9 would also put Nebraska more in line with neighboring
10 states like Colorado, which should be considered given
11 ongoing negotiations over management of a transboundary
12 river like the Platte. As we discussed during the
13 Negotiated Rulemaking process, we could not find any
14 legal example that pointed to something as high as 10
15 percent being a de minimis use. This suggests that to
16 make the final rule enforceable, the 10 percent should
17 probably be changed something -- to a smaller percentage.

18 The final rule must ensure that the geographic
19 area determined to be fully-appropriated captures the
20 full long-term impacts of both surface water and ground
21 water use. We are concerned that the 10 percent/50 year
22 line will draw the fully-appropriated line too narrowly,
23 putting neighbor against neighbor and avoiding the true
24 hydrological impact of a basins water development and
25 use. The final rule should be modified to avoid this

1 kind of conflict and ensure a more proactive approach to
2 planning for future water needs in fully appropriated
3 basins.

4 Just a few other highlights of our concerns
5 that we've mentioned before in written comments. The
6 final rule should make clear that when making a fully-
7 appropriated determination, the DNR will utilize all
8 relevant information from other government agencies such
9 as the Nebraska Game and Parks Commission, and the
10 Nebraska Department of Environmental Quality, as well as
11 information from other sources. Given the implementation
12 of LB 962, and the growing trend in being creative with
13 water use and water rights, including the ability to
14 transfer water rights, it's not, only a matter of time
15 when non-irrigation rights will be involved in making
16 determinations about whether a stream is fully-
17 appropriated. In the final rule, the DNR should at least
18 clarify whether the appropriate standard will be based on
19 the underlying water right, or the current use of that
20 right. The base flow tributary notion is a concern as it
21 does not seem to be grounded in the best science. For
22 example, where you have a stream bed with no visible
23 surface flow, you have subsurface stream bed flow that is
24 feeding the river, and thus reductions in surface or
25 ground water supply to that dry bed tributary would

1 further reduce downstream flow.

2 The final rule should also include details
3 about the time line for parties to submit additional
4 information for the DNR to consider, when public review
5 of the scientific data used by the DNR will take place,
6 how long the public will have to comment on a proposed
7 determination, and what time frame the DNR will use to
8 make that final determination.

9 In conclusion, we hope that these comments will
10 provide the DNR with feedback that will strengthen the
11 final rule, make it more responsive to the water resource
12 needs of the state, and make it more useful for the
13 Nebraska residents. We appreciate the opportunity to
14 provide these comments, and also to have been able to
15 participate directly in the Negotiated Rulemaking
16 Committee process. Thank you.

17 THE HEARING OFFICER: Do you have an exhibit to
18 offer?

19 MR. SMITH: Yes.

20 THE HEARING OFFICER: The testimony will be
21 marked as Exhibit 36, and is received into the record.

22 (Exhibit 36 was marked for identification and
23 received in evidence.)

24 The next person I have listed is Mike Onnen.

25 (Exhibit 37 was marked for identification.)

1 MR. ONNEN: Good morning, my name is Mike
2 Onnen, M-i-k-e O-n-n-e-n, and I'm manager of the Little
3 Blue Resource District at Davenport. I appreciate the
4 opportunity to comment on the proposed rules this
5 morning. The Little Blue NRD board of directors
6 generally supports the positions that have already been
7 stated by the Nebraska Association of Resource Districts
8 regarding the proposed, fully-appropriated rules, so I
9 won't reiterate all of their comments.

10 The standard used for many years in various
11 significant applications in Nebraska to determine impacts
12 to stream flows, has been the threshold when ground water
13 pumpage over a 40 year period is expected to deplete
14 streamflow by at least 28 percent over that time. The 28
15 percent in 40 year criteria is the most widely accepted
16 measure for stream depletion, and has been consistently
17 applied throughout the state. We therefore believe that
18 the 28 percent in 40 year criteria should continue to be
19 used to determine fully-appropriated basins, not the 10
20 percent in 50 years as suggested in the regulation. From
21 draft maps that we have seen show the extent of the
22 possible fully-appropriated basins using the 10 percent
23 in 50 year lines, and it reveals extensive overlap of
24 lines across several NRD boundaries. We are concerned
25 that the more agencies that are involved in trying to

1 administer and develop the joint plans, there is more
2 potential for conflict and discord.

3 One factor that has always puzzled me
4 personally, and I visited with Ann Bleed about it a
5 couple of times, that when considering the inter-
6 relationship between surface and ground water resources,
7 is the capability of a ground water system to refill to
8 capacity or beyond in periods of high precipitation and
9 recharge, potentially wiping out many years of lag time
10 depletions. We believe that these climatic and geologic
11 factors may not be fully taken into account when applying
12 the criteria for stream flow depletions.

13 We do appreciate the support the Department's
14 -- and support the Department's statement in Section 002,
15 which indicates that the Department will use the best
16 scientific data and information readily available in
17 making the determinations. At one time, rumors existed
18 that older and less reliable studies may be used if they
19 were viewed to provide a broader level of protection to
20 streams.

21 Again, thank you for the opportunity to comment
22 on these rules.

23 THE HEARING OFFICER: Thank you. Exhibit 37,
24 which is Mike's testimony, is received into the record.

25 (Exhibit 37 was received in evidence. See

1 Index.)

2 John Thorburn.

3 (Marked Exhibit 38 for identification.)

4 MR. THORBURN: Good morning. I'm John
5 Thorburn, J-o-h-n T-h-o-r-b-u-r-n. I'm the manager of
6 the Tri-Basin Natural Resources District in Holdrege.
7 Tri-Basin NRD recognizes the Department of Natural
8 Resources is required by law to annually review the
9 status of water use in Nebraska River basin. We
10 appreciate the efforts made by the Department to gather
11 public input and advice about regulations for status
12 reviews, including this public hearing. My testimony is
13 offered to supplement testimony by NARD President, Dave
14 Nelson. The Tri-Basin NRD Board of Directors fully
15 support the policy positions outlined by Mr. Nelson, and
16 we concur with the points made in his testimony.

17 Tri-Basin NRD offers the following comments on
18 and recommendations for the proposed DNR regulations. We
19 believe that it is important for the Department to
20 maintain a consistent standard for delineation of areas
21 where ground water and surface water users will be
22 regulated to protect water rights. We believe that there
23 is strong precedent for the use of 28 percent average
24 depletion over a period of forty years. It would,
25 therefore, be a mistake for the Department to adopt a

1 different standard. We believe that regulating water
2 users in one basin for the benefit of water right holders
3 in another basin is a mistake. Delineation of fully-
4 appropriated areas should be limited to the river basins
5 or sub-basins so designated as described in statutes. We
6 believe that it is unnecessary for the Department to
7 consider the potential lag affect of current pumping on
8 stream flows 25 years into the future. State law
9 requires DNR to review the level of allocation in all
10 Nebraska river basins annually. We believe that annual
11 review ensures detection of a fully-appropriated
12 condition in a timely manner.

13 The board of directors of Tri-Basin Natural
14 Resources District look forward to helping the Department
15 of Natural Resources improve the draft rule for the
16 benefit of all Nebraskans. Thank you.

17 THE HEARING OFFICER: Thank you. Exhibit 38 is
18 received into the record.

19 (Exhibit 38 was received in evidence. See
20 Index.)

21 Tom Schwarz.

22 MR. SCHWARZ: My name is Tom Schwarz, T-o-m S-
23 c-h-w-a-r-z. Equality under the law. Equal treatment
24 under the law. These words found in a number of public
25 documents in laws have come to mean something to me. You

1 can't treat one group of people different just because
2 it's inconvenient, or unpopular. In utilizing a 28/40
3 or a 10/50 line, the Department is saying we know the 28
4 percent or 10 percent of water outside of this line will
5 affect surface water users supply over a 40 or 50 year
6 period, but, we are not going to worry about it. We will
7 allow a taking of that surface water user's property
8 right. I am primarily a ground water user, but I became
9 very active in water issues when the Federal Energy
10 Regulatory Commission tried to confiscate a great deal of
11 surface water in Lake McConaughy. I helped organize a
12 group to stop this property rights taking. We all need
13 to stop and think about the impact of these rules. True,
14 this taking will be Nebraskans taking water from other
15 Nebraskans, not environmental group or a federal taking.
16 But it really doesn't matter. Any time we allow a taking
17 of some of our property rights, we diminish all of our
18 property rights. The Department should adopt rules that
19 protect the property rights of surface water users under
20 prior appropriation and the rights of ground water users
21 under the correlative rights doctrine. Thank you.

22 THE HEARING OFFICER: Thank you. Do you wish
23 to submit anything into the record?

24 MR. SCHWARZ: I would like to submit via fax
25 tomorrow.

1 THE HEARING OFFICER: That's fine. And we will
2 be holding the record open until close of business
3 Monday.

4 Okay, at this point in time, I'm going to go
5 back over the list to those persons that deferred, or had
6 testimony that would run longer than five minutes, and
7 ask that they come up in order.

8 Marlin Rempel?

9 MR. REMPEL: I'll bypass.

10 THE HEARING OFFICER: Okay.

11 Don Blankenau?

12 (Marked Exhibits 39 and 40 for identification.)

13 MR. BLANKENAU: Given that I use Ms. Horsley as
14 a court reporter two and three times a week, I'm counting
15 on her to get my name right.

16 My name is Don Blankenau. I am a lawyer in
17 private practice, and I'm here today representing the
18 League of Municipalities.

19 We appreciate the opportunity to provide
20 testimony regarding this proposed rule. And while we
21 believe DNR staff has the best interest of the state at
22 heart, the proposed rule fails to implement the intent of
23 LB 962, and ultimately may prove to be illegal.

24 To begin with, one of the purposes of LB 962
25 was to empower the DNR to engage in an analysis that

1 would allow it to reach scientifically supported
2 determinations of whether each basin in Nebraska is
3 fully-appropriated. The analysis that supports these
4 determinations must be grounded or accepted hydrologic
5 practices that have been proven to provide reliable,
6 predictive results. It is legally insufficient to simply
7 employ study methodologies that yield results when such
8 methodologies have not been accepted within the
9 scientific community as being appropriate for the task at
10 hand. Ideally, the rulemaking process that produced the
11 draft rule would have started with a description of the
12 various analytical tools or methodologies available for
13 making streamflow depletion calculations and then examine
14 the limitations of each of those methodologies. Knowing
15 the methodologies and their limitations would have
16 allowed the DNR to select the most suitable geographic
17 and temporal criteria given the limitations of the
18 preferred methodology. In this case, the geographic and
19 temporal criteria referred to the 10 percent/50 line.

20 Unfortunately, that just didn't happen.
21 Instead, the geographic and temporal criteria were
22 selected without regard for what methodology would be
23 used, or could be used, and what limitations might apply.
24 As a consequence, the proposed rule doesn't even specify
25 what methodology will be used to make streamflow

1 depletions other than where the model already -- where a
2 mathematical model already exists. DNR staff did state
3 on several occasions during the Negotiated Rulemaking
4 Committee meetings that they intended to use the Jenkins
5 Method or Solution. And we heard that again today from
6 Dr. Bleed. Unfortunately, the Jenkins Model is not a
7 method that has been accepted or employed by hydrologists
8 in the United States to make calculations anticipated by
9 this particular rule.

10 To explain further, any scientific discipline,
11 or within any scientific discipline, some methodologies
12 may be considered suitable for one purpose, but prove
13 unsuitable for others. For instance, if I were to use
14 Archimedes' displacement method to calculate the mass of
15 an object, the method would be well suited to my
16 objective. If we properly use the method, our results
17 will be accurate and reliable. If however we were to use
18 that same methodology to calculate the area of that same
19 object, my methodology may prove to be poorly suited to
20 my goal, and even though the methodology itself is based
21 on sound science.

22 Now, in this case, the DNR apparently will use
23 the Jenkins Method/Solution to calculate those streamflow
24 depletions where no mathematical model exists. While
25 these solutions have been based on sound scientific

1 principles, they are not tools suited for making the
2 calculations as contemplated in the proposed rule. And I
3 should note that during the negotiated rulemaking
4 process, Jim Cannia, a hydrologist with DNR, stated that
5 he would provide a detailed, written explanation as to
6 how DNR intended to use the Jenkins Method.

7 Unfortunately, no such written explanation was ever
8 provided to the Committee, nor was there any reason why
9 it was not provided. As a result, the Committee members,
10 and no one in this room, knows exactly how DNR intends to
11 make its decisions. But if Jenkins is used, as we've
12 been told it will be, that method has not been found to
13 be scientifically reliable for this specific application.

14 And with cooperation with Central Platte NRD
15 and members of the Ground water Management Coalition, I
16 had Stephen J. Brooks, a geohydrologist from Arizona
17 review the proposed rule, and the Jenkins method, and
18 associated methodologies. Mr. Brooks has been involved
19 in hydrologic studies for over 23 years in six different
20 states. He prepared an affidavit, which I've submitted
21 as an exhibit to my testimony. That affidavit
22 demonstrates that in many situations the Jenkins method
23 will not produce accurate predictions of streamflow
24 depletions caused by ground water use. While the Jenkins
25 method could be used for a small number of wells located

1 within alluvial deposits adjacent to a stream, the
2 results it produces when applied using a period of 25
3 years and over the broad geographic regions contemplated
4 by DNR are based on numerous highly speculative
5 assumptions. This will add a significant margin of error
6 to the results.

7 We also note that while the DNR staff advised
8 the Negotiated Rulemaking Committee, that the Jenkins
9 model becomes more accurate when used over wide areas
10 with many wells, as again stated by Dr. Bleed this
11 morning. The affidavit of Mr. Brooks indicates that
12 there is no published peer review information to support
13 that contention. In addition, numerous corrections and
14 refinements to the Jenkins Model have been proposed in
15 the scientific literature in an attempt to overcome its
16 shortcomings. None of those changes, however, deal with,
17 or will overcome the geographic and temporal scale that
18 is provided in this rule. During the negotiated
19 rulemaking process, several committee members requested
20 DNR to test the validity of any streamflow depletion
21 methodologies by making calculations of streamflow
22 depletions historical stream-gaging records. For
23 instance, the methodology could have been plainly stated
24 and implemented using data from 1990, and calculating
25 streamflow out to the year 2000 on a gaged reach of any

1 given river. With this exercise, we would have
2 illustrated the contemplated methodology and demonstrated
3 its reliability. We further asked that this exercise be
4 made available to the public for their review.
5 Unfortunately, that request was not acted upon.

6 Throughout this process, DNR staff have stated
7 that the calculations will be performed in a manner used
8 by other states. This simply cannot be true for the
9 simple reason that no other state has a law like LB 962
10 or has attempted to implement a regulatory scheme with
11 such a broad geographic and temporal reach as
12 contemplated in this rule, although some states like
13 Colorado, Arizona, and New Mexico have used Jenkins
14 methodologies to estimate the impact of individual
15 developments on streamflows, no state has accepted these
16 methodologies to project the impact of multiple wells
17 over such large areas so far into the future. Indeed,
18 almost all states, including desert regions like Arizona,
19 have limited the application of such regulatory
20 methodologies to near-stream alluvial areas only.
21 Nebraska is alone on this approach.

22 For these reasons, we believe that the
23 delineation of a 10 percent/50 year depletion line has
24 little factual value or meaning. But even if you were to
25 conclude that it does have -- that it is factually

1 correct and has meaning, DNR consistently represented to
2 the public that the delineation would be limited to the
3 28/40 mark along major rivers only. It was not
4 understood or expected that all tributaries in Nebraska
5 would be subject to similar delineations so as to
6 effectively spread the regulatory net over approximately
7 70 percent of the land area of the state. The belief
8 that only major rivers would be subject to the 28/40
9 delineation was one of the major concessions by many
10 groups that formed the support for LB 962. DNR's change
11 in direction on this key element will undermine public
12 support for this law and undercut faith in government.

13 With respect to the use of the computer
14 generated ground water models, we are pleased that DNR is
15 going to make use of COHYST and Republican River Compact
16 Model. Those tools represent some of the best science
17 available. Nevertheless, the rule contains no commitment
18 by DNR that it will continue efforts to upgrade and
19 refine those models using new data and model post-audits
20 to ensure the results they provide are accurate and
21 precise. In that respect, we note that both models are
22 in their respective infancies and their long-term
23 predictive capabilities have yet to be determined.
24 Accordingly, a more modest time frame for future
25 streamflow depletions should be selected until those

1 models have been demonstrated to be reliable. We suggest
2 ten years as an appropriate time period. That period can
3 be adjusted in future years as the model results
4 demonstrate greater reliability in their predictive
5 capabilities.

6 Finally, we wish to emphasize that this rule
7 will significantly impact property rights, property
8 values and the ability to attract new businesses to
9 Nebraska. For decades one of the few competitive
10 advantages Nebraska has enjoyed over other states, has
11 been the availability of water. Nebraska is oftentimes
12 referred to as "the Saudi Arabia of ground water."
13 Today, despite a long and widespread drought, Nebraska
14 has more, fresh ground water within its borders than any
15 other state. We very much believe that our water must be
16 carefully managed so that future generations of
17 Nebraskans can also enjoy this resource. And that is
18 both ground water and surface water. But in preserving
19 the surface and ground waters of Nebraska, the DNR must
20 be careful to avoid arbitrary and capricious acts of
21 regulation that are not supported by accepted scientific
22 methodologies. The failure to do so may result in over
23 or under-regulation of Nebraska's water, which can be
24 harmful to Nebraska's future economic and environmental
25 future. Accordingly, we urge DNR to reject the rule as

1 it's presently written, and re-draft it in the light of
2 the foregoing comments.

3 Thank you for allowing us to provide this
4 testimony here today, and we would offer both exhibits
5 that we have marked.

6 THE HEARING OFFICER: Thank you. Exhibits 39
7 and 40 are received into the record.

8 (Exhibits 39 and 40 were received in evidence.
9 See Index.)

10 MR. BLANKENAU: Thanks.

11 THE HEARING OFFICER: Ron Bishop.

12 (Exhibit 41 was marked for identification.)

13 MR. BISHOP: Thank you. I appreciate the
14 opportunity to appear before you today. My name is Ron
15 Bishop, B-i-s-h-o-p. I'm general manager of the Central
16 Platte Natural Resource District headquartered in Grand
17 Island, Nebraska. I'm presenting testimony today on
18 behalf of, and at the direction of, the Central Platte
19 NRD Board of Directors.

20 Our NRD has a number of concerns about the
21 proposed rule. These concerns fall into three general
22 categories: The lag effect, instream flows, and
23 geographic boundaries of the area to be managed.

24 Regarding our concerns about the lag effect, it
25 is not clear to us how they will be calculated and

1 therefore there is a real question whether they should be
2 included until the process that will be used is laid out
3 and understood by those who are going to be impacted.

4 But an even bigger contention about lag effect is the
5 length of time that will be considered as an impact on
6 surface flows. Our concern is that twenty-five years is
7 too long a period to expect any degree of certainty due
8 to changes in crop patterns, farm programs, weather,
9 water use and a host of other items that can impact
10 hydrology. As an example of how dramatic an impact
11 things like farm programs or weather can have on
12 hydrology, I would offer the Central Platte Valley during
13 the early 1980's as a prime example. I believe it was
14 1983 that the Department of Agriculture offered the PIK,
15 or Payment in Kind program that idled half the irrigation
16 wells and half the irrigated cornfields in the Valley.
17 That year of greatly reduced pumping was followed the
18 next year by an annual rainfall of up to 42 inches, which
19 is close to twice what we normally get, resulting in a
20 greatly increased amount of ground water recharge. The
21 combined impact of those two years of decreased pumping
22 and increased recharge, was ground water rises of up to
23 ten feet, resulting in a major change in the ground
24 water/surface water interrelationship in just a matter of
25 two years. We would therefore suggest that the

1 Department either drop the lag effect or better define it
2 and adopt ten years as a more realistic time period to
3 look into the future.

4 Instream flows, the second item, was discussed
5 at the Negotiated Rulemaking Committee meeting, but are
6 not mentioned in the report or the proposed rules.

7 Previous to LB 962, instream flow water rights were not
8 considered in the management of ground water for the
9 benefit of inter-related surface water. Because of the
10 exclusion, instream flow water rights could be granted
11 for flows that were only there 20 percent of the time, a
12 much lower standard than other water rights, which need
13 to be there, usually, about 85 or 90 percent of the time.
14 Now instream flows can not only cause ground water to be
15 regulated, just like other surface rights can, but can
16 also cause basins to be declared fully-appropriated. The
17 Department needs a rule for instream flow of water rights
18 that junior water rights are not administered, and basins
19 are not declared fully-appropriated if those water rights
20 are for instream flows. After reviewing the long-term
21 historic average streamflow, the instream flow
22 appropriations are being met less than 20 percent of the
23 time than they could be regulated. As an even better
24 alternative to that rule, we need to change the instream
25 flow law to require the approved flow rates for instream

1 flows to be available at least 80 percent of the time in
2 order to place instream flows on the same standard as all
3 other water rights are.

4 Our third category of concern on the rules
5 deals with geographic area, within which surface water
6 and ground water should be considered hydrologically
7 connected, and thereby managed. For the last ten years
8 or more, we've been led to believe, based on policy
9 discussions and decisions, that 40 years and 28 depletion
10 would be the standard that would constitute any boundary
11 for regulation. And I'll give several examples:

12 The Nebraska New Depletion Plan for the Platte
13 River Basin uses 40/28.

14 Nebraska in their discussions in settlement
15 with Wyoming used 40 year/28 percent.

16 The Director of DNR asked our NRD to post
17 suspension to drilling new wells in the western part of
18 our NRD within the 40 year/28 percent boundary.

19 And finally, the Department of Natural
20 Resources used the 40 year/28 percent line as a boundary
21 for over-appropriated parts of our Natural Resource
22 District.

23 In addition to being the recognized standard,
24 utilizing the 40/28 criteria has the advantage that it
25 greatly reduces the overlap among basins and the

1 potential necessity of rewriting an NRD's Integrated
2 Management Plan every time an adjoining basin is declared
3 fully appropriated. As an example, I would offer Platte
4 County in the eastern end of our NRD. Within that part
5 of Platte County that lies within Central Platte, there
6 is likely a piece of ground that if a ground water well
7 was to be drilled, it would impact the Platte River 50
8 percent of the pumped amount in the 40 years of pumping
9 and 53 percent in 50 years. We could also hypothetically
10 say that this same well could well impact the Loup River
11 as much as 25 percent in 40 years and 28 percent in 50
12 years. And it's possible that it may also impact the
13 Elkhorn basin. With those kinds of impacts under the
14 current standard, if 10 year/50 year depletions were
15 used, we could be required to write up to three
16 integrated management plans for each of the three basins
17 that that particular well might impact. We would
18 strongly suggest the Department reconsider their proposed
19 50/10 boundary, and return to the standard it has been
20 utilized up to now, the 40 year/28 percent.

21 One final comment that we want to provide deals
22 with the tools that will be used to determine the
23 geographic boundary regardless of what year/percentage
24 criteria is utilized. We were glad that you had ground
25 water models in the listing of information that would be

1 considered in making the determination required by
2 Section 46-713, as we feel the COHYST model is far
3 superior to Jenkins method. Jenkins has a number of
4 assumptions that are not true for the Central Platte
5 River and the Central Platte Basin. I'd just like to
6 review quickly those assumptions that go into Jenkins.

7 Assumption one is the transmissivity does not
8 change with time. Thus for a water-table aquifer,
9 drawdown is considered to be negligible when compared to
10 the saturated thickness. That's not true in the Central
11 Platte basin.

12 The second assumption. The temperature of the
13 stream is assumed to be constant, and to be the same as
14 the temperature of the water in the aquifer. Again, this
15 is not true, and in fact it's never true in Nebraska.

16 The third assumption is the aquifer is
17 isotropic, homogeneous, and semi-infinite in a real
18 extent. Again, not true in the Central Platte basin.

19 The fourth assumption is the stream that forms
20 the boundary is straight and fully penetrates the
21 aquifer. Not true with Central Platte.

22 Water is released instantaneously from storage
23 is the fifth assumption. And again, that is not true in
24 the Central Platte basin.

25 The sixth assumption is that the well is opened

1 to the full, saturated thickness of the aquifer. Again,
2 not true of Central Platte basin wells.

3 And seventh and final, the pumping rate is
4 steady during any period of pumping. And again, that's
5 not true in the Central Platte basin with their wells.

6 All of the above make Jenkins a poor choice for
7 determining the extent and magnitude of ground water
8 impacts especially on the Plate River, and we do support
9 your proposed rule to utilize ground water models such as
10 COHYST and your determination.

11 I thank you for taking the time to listen to
12 our comments.

13 THE HEARING OFFICER: Thank you. Exhibit 41 is
14 received into the record.

15 (Exhibit 41 was received in evidence. See
16 Index.)

17 Next is Robert O'Dell.

18 MR. O'DELL: I'd defer again. Thank you.

19 THE HEARING OFFICER: Okay. Mr. O'Dell has
20 declined to testify.

21 Next is the name that I had difficulty with
22 before. K-u-e-h-n-e-r?

23 UNIDENTIFIED VOICE: I'll pass.

24 THE HEARING OFFICER: You'll withdraw from
25 testifying? Okay. Thank you.

1 Steve Huggenberger.

2 MR. HUGGENBERGER: I'll withdraw.

3 THE HEARING OFFICER: You wish to drop from
4 testifying? Okay. Thank you.

5 Okay, at this time, I'd invite any others in
6 the audience who would like to provide testimony who did
7 not previously sign the testimony sheet, to take your
8 turn at the microphone. You did not have to sign the
9 testimony sign-in sheet in order to testify at this
10 hearing.

11 You may come forward and testify.

12 Again, just a reminder for those testifying,
13 please state your name, spell your first name and last
14 name, indicate if you're on behalf of any entity or if
15 not, just on behalf of yourself. Thank you.

16 MS. LANDIS: Thank you. My name is Margaret
17 Landis, M-a-r-g-a-r-e-t, Landis is L-a-n-d-i-s. And I'm
18 a landowner, and I'm representing myself and my land.

19 My land is located in the Central Platte NRD.
20 I am under the moratorium. I became concerned when -- I
21 have a lake on my land and it has gone down about 30 to
22 35 feet. My lake is ground water, and that's what raised
23 part of my concern. And when I read in the -- I served
24 on the county board and I worked on the -- getting the
25 army ammunition plant land back on the tax roles. Well,

1 during that process, and you're probably unaware of the
2 RDX problem but they put a pump and treatment out on that
3 land and it pumps a million gallons a day out of the
4 ground water cleaning up the RDX plume that is in there.
5 That's going to run for about 30 years, and we're about
6 eight or nine years into that. So we're taking a million
7 gallons out of those -- of that land right now. But when
8 Heritage Disposal came along and they wanted to put a
9 factory out there, and they wanted to detonate bombs or
10 something, that they were going to take 300,000 gallons
11 of water out of our ground water every day. Now this is
12 every day. This isn't a farmer farming, you know, three
13 or four months out of the year. This is every day. So
14 I went to the county board, and I said, "Hey, maybe we
15 ought to look at this, you know, the ground water's
16 really dropping bad, and maybe we should do something
17 about this." Well, they thanked me and said goodbye.

18 Well, it wasn't only three or four months after
19 that I read in the paper that an ethanol plant wanted to
20 go on the ordnance plant, and low and behold a half mile
21 from my land. As I'm sitting up in my dried up alfalfa
22 field, one-half mile an ethanol plant is going to go, and
23 they can pump, and do pump, a million gallons a day to
24 run that ethanol plant. Well, I didn't think that was
25 quite right, and so I went to the Central Platte NRD

1 Board. And I said, "Hey, you know, we really need to
2 look at this. We are really depleting the ground water
3 over on these tracts of land." And Ron Bishop was nice,
4 and he said, "Well, yeah, but Margaret, hey, they're not
5 under the moratorium. They can do what they want." They
6 can get a well permit and away they go. And that's what
7 has brought me here.

8 I don't really understand the 28/40. I don't
9 plan to be a hydrologist, but I do understand my land,
10 and I do know -- I did apply to put a well under my
11 ground for 39 acres to water my alfalfa so I'd have hay
12 for my horses. And I got a letter from the NRD saying
13 hey, you can't do it. And I accept that. I don't have a
14 problem with that at all, but I do have a problem that a
15 half-mile down the road they can put an ethanol plant in
16 that will pump a million gallons a day around the clock.
17 You know, a farmer only irrigates three or four months
18 out of the year. I don't have any problem with the
19 farmers. And that's their livelihood. But I do have a
20 problem with corporate America coming into our ag land
21 and taking all the water. And I said that. I said, "You
22 know, you guys want to come in and you want to take all
23 of our water. Not just mine, but the farmers all around
24 the ordnance plant." And that's why I'm here today is to
25 say that we really need to look at corporate America and

1 what they're taking. And I just don't know what else we
2 can do about it. And I guess, in essence, in a way I
3 guess I support the 10/50 standard, because it will
4 protect the land around my farm. And I don't know what
5 else it will hurt. But I think something has to be done
6 that one road, if you're on the west side of the road,
7 you can put in and take all the water you want, but if
8 you're on the east side of the road, you can't take
9 enough to irrigate 39 acres for some hay? Something is
10 the matter, and it's that that I wanted to bring to your
11 attention. And also on this ground, and this is from the
12 US Army Corp of Engineers, and it's a drafted
13 Environmental Impact Study. And like I said, I did serve
14 on that committee several years ago. There is also
15 proposed down the road, a power plant. And NPPD has the
16 right to buy that land exclusively. The4 county board
17 did that. Nobody else can buy that land until they
18 decide if they want to locate this power plant. Now from
19 this study it said -- we're talking about water resources
20 both in terms of quantity and quality. These effects
21 would range from negligible to moderate intensity. Some
22 of these impacts may be significant. Among the water
23 resource impacts are a large on-site demand for ground
24 water for up to two million gallons per day for the power
25 plant alone, and more for industrial development like

1 Heritage Operations, which is up and going, and/or an
2 ethanol plant on-site. This is a potentially significant
3 impact in an area for a moratorium on new drilling has
4 been imposed, and the Central Platte River may be fully-
5 appropriated.

6 So it is with that that I do urge you that I
7 really think something has to be done. I think something
8 has to be done about the amount of water somebody can
9 take. And with that, I do want to thank you for your
10 time. I don't have anything else to say. And I do want
11 to make just one additional comment. I have called your
12 department twice, and I was met with nothing but
13 courtesy, and respect and my phone calls were returned,
14 and I really appreciate that because that isn't always
15 the say-so when you call a state department. Thank you
16 very much.

17 THE HEARING OFFICER: Thank you. Did you have
18 anything you would like to introduce into the record?

19 MS. LANDIS: I don't believe so. She dictated.

20 THE HEARING OFFICER: Okay. Thank you.

21 Does anyone else care to testify at the hearing
22 today? Please come forward if you do.

23 (No response)

24 Any other persons wishing to testify should
25 come forward at this time.

1 (No response)

2 Last chance. Anyone wishing to testify, come
3 forward, please.

4 (No response)

5 THE HEARING OFFICER: Okay, I show that it's
6 12:10. This hearing is now closed, however, the record
7 will be held open as I mentioned earlier through the
8 close of business on Monday, August 15th, 2005, for the
9 receipt of any additional written testimony that anyone
10 would care to produce. Once the record is closed, the
11 Director of the Department will consider the testimony
12 and the Exhibits presented at this hearing prior to
13 making his final determination on whether to go forward
14 with the proposed rule, or to revise the proposed rule
15 and schedule a further hearing. Thank you for attending.

16 (Concluded at 12:12 p.m. on August 11, 2005.)

17 (Exhibits 42-50 were marked for identification
18 and received in evidence.)

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